DOCUMENT RESUME

ED 207 946 SP 018 653

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TITLE Second Annual Academic and Financial Study of Teacher Education Programs in Senior State Universities and Land-Grant Colleges. 1978-1979.
INSTITUTION Association of Colleges and Schools of Education in State Universities and Land-Grant Colleges.
PUB DATE Mar 81
NOTE 84p.

EDRS PRICE MF01/PC04 Plus Postage.
DESCRIPTORS Class Size; College Credits; College Faculty; Degrees (Academic); Financial Needs; *Financial Policy; Graduate Study; Higher Education; *Land Grant Universities; *National Norms; Productivity; *Program Budgeting; Resource Allocation; *State Universities; *Teacher Education Programs; Teacher Salaries; Teaching Load; Validated Programs

ABSTRACT

The academic productivity and financial status of 59 teacher education programs in state universities and land-grant colleges were determined through surveys completed in summer 1979. Data were provided on 210 variables in the major categories of: (1) accredited programs; (2) faculty, faculty load, and salaries; (3) budgets and Full Time Equivalent (FTE) staffing; (4) academic productivity by level; and (5) degrees conferred by level. Tabular presentations of data acompany discussions on each of the variables. Included in the discussions of these variables are: (1) average class size; (2) weighted credit hour productivity per FTE faculty; (3) cost per semester credit hour and weighted semester credit hour; (4) cost per FTE student by level; (5) mix of academic productivity; and (6) program complexity factors. Data indicate that the funding of major state and land-grant universities continues to be deficit, and it is recommended that the teacher education profession define the minimum standard of funding as has been done in other professional disciplines. (Authors/JD)

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SECOND ANNUAL ACADEMIC AND FINANCIAL STUDY OF TEACHER EDUCATION PROGRAMS IN SENIOR STATE UNIVERSITIES AND LAND—GRANT COLLEGES 1978-1979

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Sponsored by
The Association of Deans of Colleges and Schools of Education
in State Universities and Land-Grant Colleges

March, 1981

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SECOND ANNUAL
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PROGRAMS THROUGH THE DOCTORAL LEVEL IN
PUBLIC STATE UNIVERSITIES AND
LAND-GRANT COLLEGES

Introduction and Purpose

This report represents the second annual survey of productivity and funding of Teacher Education programs through the doctoral level in state universities and land-grant colleges. Data in this report includes the 1978-1979 fiscal year, from fall 1978 through summer session 1979. These annual surveys were motivated by concerns of the deans of those colleges and schools of Education about the vagueness and subjective nature of the NCATE accreditation standards, and how the possible inclusion of some more objective data might improve the assessment of program quality.

The purpose of these surveys is also to understand better the condition of these major Teacher Education programs, as evidenced by indicators of productivity and funding. The reports are also useful to individual deans in comparing their programs with others in their region and nationally. Since each institution is identified by code number, precise comparisons are not possible unless another institution consents to the identification of their number.

Many programs in higher education are designed to teach financial management, including the budgeting process, to leaders in education, business, industry, and government agencies. Even though the content of the programs varies, particularly between profit and non-profit

entities, there are several basic, common parts: (1) the need for resources should be related clearly to specific objectives; (2) resources should be used for the purposes for which they were allocated unless funding categories are discretionary and changes are justified in terms of higher priorities; and (3) there should be a budget trail sufficient to determine where funds have been expended for each cost center or program. Ironically, most organizations except higher education have applied these lessons. Without these basic elements, most comprehensive planning in higher education is an exercise in futility. Without comprehensive planning, institutions tend to leave their future to chance and whim.

The single factor in higher education financial management which most precludes comprehensive planning is the lack of data which establishes the level at which instructional programs are funded in relation to student load and program complexity (level and field). The resulting dearth of information has had both internal and external negative effects on teacher education programs in the senior universities throughout the nation.

Internally, budget allocations tend to be incremental or made on the basis of informal and unstated priorities. Unless required to do so by a regulatory group, university central administrators tend to ignore student load and program complexity data (which are used in most states for determining institutional appropriations) as they make decisions about program allocations. Externally, budget appropriations to teacher education and other programs are generally believed to be related to level and complexity of programs, hence, tend to be misunderstood. Prior to this study, most public school personnel, legislative members and the public have probably believed that the cost for instruction for

full-time Teacher Education students was more, not less, than for instruction for full-time public school children.

Better sets of academic activity and financial support indicators for teacher education are desperately needed. Moreover, since our preliminary studies indicate that colleges of Education are probably the most severely underfunded academic division in our colleges and universities, both faculty and students in Teacher Education programs probably have the most to gain from such improvements. Our search is for equity for Teacher Education within the universities. We believe that complexity indices should reflect accurately the level at which programs are funded and be open to public scrutiny.

Method

Population

One hundred ten Teacher Education programs with one or more specializations through the doctoral level and which were public-supported institutions were identified among the state universities and land-grant colleges. Most were members of the ACSESULGC.

The participants were clustered for some purposes of the study according to the six geographic regions used by the AACTE:

Zone I: Maine, New Hampshire, Vermont, New York, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, and Maryland.

Zone II: Virginia, North Carolina, South Carolina, Tennessee, Mississippi, Alabama, Georgia, and Florida.

Zone III: Indiana, Ohio, Pennsylvania, Kentucky, and West Virginia.

Zone IV: Minnesota, Wisconsin, Michigan, Illinois, and Iowa.

Zone V: Kansas, Missouri, Oklahoma, Arkansas, Louisiana, and Texas.

Zone VI: North Dakota, South Dakota, Nebraska, Montana, Wyoming, Colorado, New Mexico, Idaho, Utah, Arizona, Nevada, Washington, Oregon, California, Hawaii, and Alaska.

Instrument

A data collection instrument (Appendix B) was designed with five categories and numerous subcategories of information.

I. Approved and Accredited Programs

List of approved degree programs
List of approved certification programs
Regional, NCATE, and state accreditation
Specific program accreditation

II. Faculty Data

Number of faculty by rank
Number of faculty by highest degree
Typical undergraduate and graduate faculty load
Average faculty salaries by rank, academic year and summer session
Summer term compensation and limitations

III. College/School of Education Budgets, 1978-1979

Contract and grant overhead sharing
Tuition rates
University-supplied budgets by academic year, summer term, and 12-months by:
- -total amounts
- -faculty instructional salaries
- -faculty research salaries
- -faculty service salaries
- -college and departmental administration
- -support personnel (secretaries, etc.)
- -graduate assistants
- -personnel fringe benefits
- -operating expenses
- -non-expendable capital outlay

Temporary (external) budgets by academic year, summer term, and 12-months by:
- -total amounts
- -faculty instructional salaries
- -faculty research salaries
- -faculty service salaries
- -college and departmental administration
- -support personnel (secretaries, etc.)
- -graduate assistants
- -personnel fringe benefits
- -operating expenses
- -capital outlay

IV. Credit Hour Production for 1978-79 Academic Year and 1979 Summer Term

Undergraduate course sections, AY, SS, and 12-months
Undergraduate class enrollments, AY, SS, and 12-months
Undergraduate credit hours, AY, SS, and 12-months
Graduate 1 course sections, AY, SS, and 12-months
Graduate 1 class enrollments, AY, SS, and 12-months
Graduate 1 credit hours, AY, SS, and 12-months
Graduate 2 course sections, AY, SS, and 12-months
Graduate 2 class enrollments, AY, SS, and 12-months
Graduate 2 credit hours, AY, SS, and 12-months

V. Degrees Awarded, 1978-1979

Bachelors, Masters, Ed. S., and Doctorates awarded.

Data Gathering

A cover letter and the instrument were mailed to the dean of each of the identified Teacher Education programs. A copy of the instrument with 1978-1979 data entered for the College of Education at the University of Alabama was also sent, to encourage the sharing of information often considered confidential, and to show how we completed the form with our available data.

A subsequent letter was sent and numerous telephone calls were made to follow-up on collection of the forms and to clarify and discuss fitting program data to the instrument. The initial mailing was in May 1980 and the last returns received in December.

Code numbers were randomly assigned to each responding Teacher Education program to protect the confidentiality of their data. The first digit identifies the region and the other two digits the institution. No intent was made to compare any individual program with another. The purpose was to describe better the academic activities, staffing, and resources of this group of programs, and begin an initial analysis by geographic region.

Some individual data sets were incomplete or presented in unusable form; attempts to correct these were not always successful. In general, however, the quality of the data provided by the deans was excellent. Their willingness to provide complex and sometimes confidential data and their concern for developing better approaches to understanding the nature and quality of colleges of Education was superb. It reflects the good leadership in those Teacher Education programs.

Limitations

This second annual effort to collect and analyze specific data about Teacher Education programs nationally still has limitations. Different internal reporting and accounting systems are not precisely comparable. For example, faculty research assignments may or may not be available in a formally budgeted way. Cost items included in operating expenses may vary. Internal transfers of funds may not be reflected accurately. Some programs receive distinct budget allocations for the academic year and summer terms; others receive only a fiscal year allocation.

Despite the sub-program and other variations from one Teacher Education program to another, we believe there is sufficient comparability among those programs and their data to justify the comparisons made herein.

The data reported herein were those for the 12-month period including the 1978-1979 academic year and the 1979 summer session.

Presentation and Analysis of the Data

Each of the data sets and their subsets is presented according to the sequence described in the description of the instrumentation. The institutions are identified by random number rather than by name to avoid comparisions of identifiable institutions. Since the principal purpose of the study was to describe the academic activity and financial support in these Teacher Education programs, institutional anonymity was important.

Fifty-nine Teacher Education programs with preparation through the doctorate in one or more specializations provided data for this survey.

Zone I: University of Delaware, University of Maine, University of Maryland, University of Massachusetts, and Rutgers University.

Zone II: University of Alabama, Auburn University, University of Florida, Florida State University, University of Georgia, Georgia State University, Memphis State University, Mississippi State University, University of North Carolina/Chapel Hill, University of North Carolina/Greensboro, University of South Carolina, University of Tennessee, University of Virginia.

Zone III: University of Akron, Ball State University, Bowling Green State University, Indiana University, Indiana State University, University of Kentucky, Miami University of Ohio, Ohio University, Ohio State University, Pennsylvania State University, Temple University, West Virginia University.

Zone IV: Northern Illinois University, Southern Illinois University, Iowa State University, Michigan State University, University of Minnesota, Wayne State University, University of Wisconsin/Milwaukee.

Zone V: University of Kansas, Louisiana State University, Northeast Louisiana University, University of Missouri/Columbia, University of Missouri/Kansas City, University of Missouri/St. Louis, University of Oklahoma, Oklahoma State University, University of Texas/ Austin, Texas A & M University, East Texas State University, North Texas State University, Texas Tech University.

Zone VI: Arizona State University, Colorado State University, University of Hawaii, Montana State University, New Mexico State University, University of Utah, Utah State University, University of Washington, Washington State University.

I. Approved and Accredited Programs

Fifty-eight of the participating Teacher Education programs participating in this study reported their programs were approved by two or more accrediting agencies. Fifty-eight of those had regional accreditation:

2	New England Association
21	North Central Association
4	Middle States Association
24	Southern Association
3	Western Association
4	Northwest Association

Fifty-seven programs were NCATE accredited. Fifty-six programs were approved by their State Department of Education. Thirty institutions reported more program-specific accreditation, as follows:

11	Counselor Education
2	Deaf Education
2	Home Economics Education
1	Library Science
6	Nutrition Education
11	Rehabilitation Counseling
11	School Psychology
3	Speech Pathology and Audiology

II. Faculty Data

Headcount faculty by rank. Table 1 presents the data on faculty members by academic rank in the 59 participating Teacher Education programs. The range in the number of faculty emphasizes the great variation among these programs--from 307 faculty in the largest program to 39 in the smallest. The nature of these programs--probably the oldest universities and usually the largest in the state--is also reflected by the fact that 21 of 59 (35.6%) institutions had two-thirds or more of their faculty in the two top academic ranks. This figure is down 5.31% from last year's study. Four programs had more than 80% of their faculty in those two ranks. Forty-nine percent of these programs had more faculty in the Professor category than any other. This is down by 10% from last year's study. The institutions with the highest percent of faculty in the professor rank were 383 with 65%; 496 with 53%; and 550 with 50%.

INSERT TABLE 1 ABOUT HERE

Headcount faculty by degree. The analysis of headcount faculty by degree (Table 2) reveals that only one of the 59 institutions had more than 50% of the faculty in Teacher Education with the Ed. D. degree. Thirteen institutions had less than 25% of the Teacher Education faculty with the Ed. D. degree.

Twenty of the participating Teacher Education programs had more than 50% of their faculty with the Ph. D. degree. Institutions 462 with 75%; 636 with 73%; and 365 with 65% had the highest percentage of faculty with the Ph. D. degree.

Fourteen of the 59 programs had 25% or more of the faculty with the M. A. degree, and 3 of these programs had 40% or more of the faculty with that degree.

INSERT TABLE 2 ABOUT HERE

Average distribution of faculty workload. Most faculty in Teacher Education programs work at both the undergraduate and graduate levels. Exceptions to that generalization are found in specializations offered only at the graduate level (administration, supervision, counseling and guidance, research, etc.).

INSERT TABLE 3 ABOUT HERE

The most generally used faculty load assignments are shown in Table 3 for the 52 institutions which provided usable data. Twenty-four of the programs generally assign 80% or more of the faculty members' load for teaching at the undergraduate level and 5 of the institutions assign faculty 80% or more to teaching at the graduate level. Undergraduate faculty in 6 programs had 90% or more of their load for teaching.

Conversely, faculty in 10 of the 52 programs have two-thirds or less of their load for teaching at the undergraduate level. In 10 of those programs, faculty at the graduate level have 50% or less of their load assigned to teaching. Institution 594 assigned faculty at the undergraduate level 38% for teaching, 37% for research, and 25% for service. Institution 242 assigned faculty at the graduate level 34% for teaching, 33% for research, and 33% for service.

FTE faculty budgeted from university funds. Tables 4, 5, and 6 include the data on faculty budgeted from university funds for the academic year, summer session, and 12-month period by function. One salient feature from these data is the variation in personnel accounting practices. Whereas most Teacher Education faculty have responsibilities for teaching, research, and service--and sometimes departmental administration--only about 60% of these institutions formally budget those functions. The clear separation of instruction in faculty accounting is evident. However, in 16 institutions all academic personnel are budgeted under the teaching function.

INSERT TABLES 4, 5, AND 6 ABOUT HERE

Faculty positions for the summer sessions are expressed in terms of equivalent academic year FTE's. Thus, a faculty member employed for the full summer session in a semester-based university would equal one-half of an academic year FTE; a fully employed faculty member in a quarter-system university would be equivalent to one-third FTE from the academic year.

Note that 8 institutions (344, 682, 352, 433, 543, 227, 545, and 338) reported only 12-month assignments. Teacher education, as with other academic divisions, has some faculty on separate academic year and summer session employment, whereas a few universities employ all faculty on a 12-month basis. Administrative personnel, especially, tend to be employed on a 12-month basis.

Table 6 summarizes the number of FTE faculty positions for the function of instruction only for the year 1978-1979. Note that the largest Teacher Education division has almost 9 times more instructional

faculty than the smallest.

FTE faculty budgeted from temporary funds. Table 7 shows data which reflect the faculty budgeted for instruction from contract and grant activity in 20 reporting institutions. Although these externally-funded faculty only comprise about 8% as many as those funded from university sources, they do represent a significant number of personnel. Institution 275 reported 77% as many funded from external funds as from university sources. Conversely, institution 505 only had .02% as many funded from external funds.

INSERT TABLE 7 ABOUT HERE

Note that these data represent only personnel in the instructional function, and not other academic functions, support staff or graduate assistants. Note also that 44 institutions reported budgets from contract and grant activities (Table 15) but that only 20 of those institutions reported FTE personnel budgeted from those sources in Table 7.

FTE faculty budgeted for instruction from all sources. Table 8 shows the combined data for faculty budgeted for instruction only from both university and external funds.

INSERT TABLE 8 ABOUT HERE

Temporary funds provided a total of 550.88 FTE instructional faculty during the 12-month period (although several institutions did not report completely) and university funds provided 5922.62 FTE positions for instruction in Teacher Education programs in these 49 universities.

Graduate assistants. Forty-seven universities reported data on graduate assistants budgeted from university and external funds in their Teacher Education divisions (Table 9). These data represent FTE assistantships, not headcount. Thus, two half-time (.5 FTE) assistantships equal 1.0 FTE. If every graduate assistant were on half-time assignments in institution 226, for example, there would be 112 headcount, but only 56 FTE assistantships, as shown.

INSERT TABLE 9 ABOUT HERE

Again, data for the summer session were transformed into academic year equivalents, as was done with data on faculty positions.

For the purpose of this study, we defined a .5 FTE graduate assistantship as one in which the graduate student would be expected to work 20 hours a week or teach 2 courses per semester. These data do not include students on scholarships.

Ratio of support personnel to faculty. Data on university-funded support personnel were compared for the academic year (Table 10). Support personnel included all non-academic positions, but did not include graduate assistants.

INSERT TABLE 10 ABOUT HERE

The ratio of support personnel positions to faculty positions reveals a large difference among the 42 reporting institutions. Institution 528 had the highest ratio with almost a 1:10 ratio as compared to institution 636 with only a 1:1.4 ratio. The other institutions were rather evenly distributed between these two institutions with an average of

about one support position to every four academic positions.

Average academic year faculty salaries by rank. Data on average faculty salaries by rank were provided by 57 participating Teacher Education programs (Table 11). Several observations can be derived from these data.

INSERT TABLE 11 ABOUT HERE

The lowest academic year salary for professors was only 50% of the highest salary among the 57 universities. The other relationships were: lowest salary for associate professors 62% of highest, 69% for assistant professors, but only 38% for instructors. Institution 225 also reported the greatest variation ($16,170) between average salaries of professors and associate professors in their college. Generally, that variation ranged from $3000 to $9500. Note that institution 462 reported a variation of only $730 between the top two ranks.

The data were rank ordered only on the professor category. Individual institutions might also want to rank order the other salary categories, in order to compare their salaries with those of other programs.

Average academic year salaries by region. Salary data for the 1978-1979 year were regrouped by region (Table 11 A). Within each region, salaries were ranked on the professors' academic year salaries.

INSERT TABLE 11A ABOUT HERE

An analysis of differences (highest to lowest salaries) within each rank among institutions of the same region revealed the following:

Differences within Ranks

Zone	No. Inst.	Professor	Associate	Assistant	Instructor
I	5	$15,857	$9,362	$3,591	$5,433
II	12	17,017	5,691	3,961	3,477
III	11	6,396	6,814	5,471	9,732
IV	7	4,487	5,110	3,159	3,271
V	13	7,908	5,033	4,624	6,519
VI	9	7,857	8,879	2,648	3,482

Faculty compensation for summer sessions. Forty-eight institutions provided data on faculty compensation for the 1979 summer session. Average salaries by academic rank are shown in Table 12.

INSERT TABLE 12 ABOUT HERE

The salary data have little meaning, however, unless analyzed in the context of the policies which govern participation by faculty in the summer session.

INSERT TABLE 13 ABOUT HERE

A description of the length of the summer session, number of terms, and policies concerning faculty participation and compensation are shown in Table 13. About one-half of the reporting institutions had policies which limit faculty participation to less than the full session. Among the 58 Teacher Education programs included in this table, there are notable differences in compensation policies for summer terms of the same length. For example, 13 institutions had a 10-week summer session with two 5-week terms, yet the compensation ranged from 25% to 36% of academic year salary for those two terms.

Budgets from university sources. Budget and personnel resources are critical factors which enable academic programs to carry out their functions. Fifty-four of the 59 participating universities provided budget data.

INSERT TABLE 14 ABOUT HERE

Most responding programs reported budget data separately for academic year and summer session; others reported a fiscal year appropriation in addition to those two terms. Nine institutions reported only a fiscal year amount. In a few instances, all Teacher Education personnel are on 12-month contracts (institutions 227, 352, 585).

The variation in university-supplied budget resources for the Teacher Education programs varied tremendously--from almost $9 million to less than $1 million. The variation was even greater within the summer session budgets: institution 492 reported a summer session budget much larger than any other; it was more than 12 times larger than the smallest.

In order to facilitate better comparison, the amounts reported for personnel fringe benefits and capital outlay were subtracted from the total amount reported for 1978-1979. This was because only a few institutions included those data in their Teacher Education budget; in most cases, these expenditures are included in the central administration, not the Teacher Education, budget.

Budgets from temporary (contract and grant) sources. Forty-four institutions reported their funding from contract and grant sources. The largest amount (institution 275) was only 46% as much as the largest

amount of temporary funds reported in a single institution last year, however. Last year's total amount of about $60 million in 45 institutions compares with about $64 million in 44 institutions this year, however.

INSERT TABLE 15 ABOUT HERE

Temporary funds from external sources provide support for a number of teaching, research, and service functions relevant to Teacher Education programs. Typical among these are the state and federally-supported activities such as the preparation of special education teachers, service agencies such as race desegregation and sex discrimination centers, competitively-awarded research projects, etc.

Contract and grant resources provided a very substantial proportion of the total resources available to several Teacher Education programs. Institutions which received temporary funds amounting to more than 50% as much as from their university sources included 275, 402, 155, 508, 352, 234, 174, 382, 611, 340, 695, 649, 599, and 123. Four of those (155, 352, 234, and 123) received temporary funds which were more than 2/3 as much as their university funds. Institution 649 received contract and grant funds which were 80% as much as from university sources.

University resources per FTE faculty. Table 16 shows the university-supplied funding per FTE faculty. University funds for personnel fringe benefits and capital outlay were subtracted from the funding for the Teacher Education division. This was done to enable more consistent resource to personnel comparisons, since most universities maintain fringe benefit costs, and many maintain capital outlay costs, in the central administrative budgets and not in the colleges.

INSERT TABLE 16 ABOUT HERE

The FTE faculty calculation was determined by adding all reported FTE faculty funded from university resources for instruction, research, service, and administration. The assumption underlying that calculation was that all professional personnel funding contributes to the combined missions of the Teacher Education program. Funding was then divided by the FTE faculty total.

Forty-eight of the 59 institutions provided usable data for this calculation. Financial resources per FTE faculty were only 41% as much in institution 695 as in institution 433. The weighted average of university resources per FTE faculty was $28,960 among the 48 participating Teacher Education programs.

Capital outlay funds. Only 37 of the 59 university Teacher Education programs reported budget resources for capital outlay. University sources provided $639,198 of those funds, while $777,222 was from contract and grant sources. Thus, the former was only 82% of the latter.

INSERT TABLE 17 ABOUT HERE

Amounts per institution varied greatly, from almost $190,000 to less than $1,000. As a proportion of total univeristy-supplied resources, capital outlay funds were a very small part of the total budget.

Percent of budget for operating expenses. The budget line for operating expenses includes funds for instructional and office supplies,

telephone and postage, travel and per diem, etc. Without a specific breakdown of those items, any comparison is problematic.

INSERT TABLE 18 ABOUT HERE

Table 18 shows the operating expense funds as a percent of total university-supplied budgets for 49 participating Teacher Education programs. Operating expenses were an average of 7.04% of total university-supplied budget resources among these 49 Teacher Education programs.

Tuition cost per semester credit hour. Tuition fees paid by students usually do not trail directly back to the divisions in which those majors enroll, and therefore has no directly identifiable influence on those budgets. Data on semester hour tuition charges are listed in Table 19 by geographic region.

INSERT TABLE 19 ABOUT HERE

Tuition rates were converted from quarter system (QCH) to semester system (SCH) by multiplying the QCH by 1.33. The rates varied from $4.00 to $60.33 per SCH among the 56 Teacher Education programs reporting these data. Five of the institutions reported the same tuition cost per undergraduate SCH hour as for a graduate SCH. Two other programs, institutions 352 and 384, reported graduate SCH tuition rates more than double the undergraduate SCH rate.

Data on academic productivity. Data reported on undergraduate and graduate course sections offered are included in Tables 20, 21, and 22. Most institutions were able to report the number of course

sections offered differentiated by undergraduate and graduate level and by academic year or summer session.

INSERT TABLES 20, 21, AND 22 ABOUT HERE

Twenty-four of the 47 institutions included in Table 22 reported that more than 50% of their course sections offered were at the graduate level. Fifteen of those Teacher Education divisions had more than 60% of their total course sections taught at the graduate level during that year; 9 of those had more than 70% at the graduate level, and 4 institutions had more than 80% at the graduate level. Institution 352 taught 89% of its total course offerings at the graduate level.

Headcount enrollments and credit hours produced are better indicators of academic activity than is the number of sections offered. The relationship between the three variables--sections offered, headcount course enrollments, and credit hours produced--can aid in more precise analysis of academic activity.

INSERT TABLES 23, 24, AND 25 ABOUT HERE

Fifty-four of the 59 institutions provided usable data on headcount course enrollment. Undergraduate enrollments during the summer term were less than 10% of those during the academic year in 21 of these Teacher Education programs. Institution 682 reported that summer session enrollments were 63% of those during the academic year. This was the only institution reporting a summer school enrollment of more than 50% of the academic year. Three institutions 338, 383, and 121 reported

that summer graduate enrollments were larger than graduate enrollments during the academic year. Twenty institutions had graduate enrollments during the summer which were 50% or more of those during the academic year (Table 24).

Credit hour production is considered to be a primary indicator of academic activity. When credit hours produced can be differentiated between undergraduate, master's level (graduate 1), and post-master's level (graduate 2), we can understand better the internal mix of program and faculty activity, level of students, and instructional and support costs. In addition, differentiated credit hour production is the best indicator of activity in senior institutions because it demonstrates the increased resources needed for graduate studies because of smaller class enrollments and variable credit hour designations.

INSERT TABLES 26, 27, AND 28 ABOUT HERE

The data in tables 26, 27, and 28 show undergraduate and graduate credit hour production for participating institutions. Note that the graduate credit hours are not differentiated by graduate 1 and 2 levels. That analysis will be shown later. Comparison of graduate level credit hours produced (Table 27) reveals that 19 institutions had summer session academic activities that were 50% or more of the academic year. Eleven institutions had summer session credit hour production two-thirds as large as the academic year. Institution 383 produced 104% as many graduate level credit hours during the summer as during the entire academic year, followed by institution 338 with 102%. Again, we believe this reflects the nature of the Teacher Education programs in these senior universities--they are heavily graduate-level, and especially

advanced degree-oriented.

Average class size. The headcount course enrollments at the undergraduate and graduate levels during 1978-1979 (academic year only) were divided by the number of course sections offered for each of these levels (Table 29) to derive average class sizes. Usable data were available from 47 of the 59 institutions for that calculation.

INSERT TABLE 29 ABOUT HERE

Average class sizes varied tremendously: from 4.71 to 23.86 at the undergraduate level; 2.43 to 18.45 at the graduate level; and 3.51 to 20.91 with combined levels. Only institutions 242, 550, and 548 had larger average class sizes at the graduate than undergraduate level.

We acknowledge that these analyses are subject to incomplete information, especially at the graduate level. Graduate programs--especially at the doctoral level--often have numerous offerings of a non-didactic nature (field work, independent studies, dissertation research, etc.) which have very few students enrolled, yet are counted as course sections. Therefore, those programs with larger graduate 2 (post-master's) activity have more such course sections.

Semester credit hours produced per FTE instructional faculty. Among the complex of indicators about academic activity and its related financial support is the productivity per faculty member. A productivity index obviously includes multiple factors, such as credit hours produced, advising load, days of service provided, number and quality of publications and research in progress, faculty involvement in undergraduate or graduate work, etc.

INSERT TABLE 30 ABOUT HERE

Table 30 shows the data on semester credit hours produced per FTE (full-time equivalent) instructional faculty member in 49 institutions for the 1978-1979 year. The FTE faculty include only those designated for instruction, funded from both university and temporary (contract and grant) sources. The FTE faculty for instruction was divided into the total semester credit hours produced for each institution. All faculty positions funded separately for the summer session were equated to academic year equivalents in these calculations.

The credit hour production per FTE faculty ranged from 228 to 1688 during the 78-79 year. The average SCH produced per FTE was 427. This productivity index still does not reflect very accurately the reality of what faculty members do, however. For example, they do not reflect lesser or greater faculty involvement in advanced graduate programs versus undergraduate programs. Subsequent analyses will be made from data in Table 33 in which credit hours are weighted by level, reflecting faculty involvement in more costly advanced programs.

Full-time equivalent students (FTES). Forty-one institutions provided the complex data on credit hours produced by level throughout the 12 months of 1978-1979 to enable the calculation of full-time equivalent students (FTES). To facilitate comparison, all credit hours produced in quarter system institutions were transformed to semester hour equivalents by multiplying by a factor of .667. In order to effect this FTES calculation, each institution had to report differentiated graduate-level credit hours produced (G1 for Master's level courses and G2 for post-Master's courses).

INSERT TABLE 31 ABOUT HERE

Undergraduate level credit hours produced during the 12-month period were divided by 30 (equivalent of 2 semesters of 15 credit hours each) to derive the undergraduate FTES, G1 level SCH divided by 24, and G2 level SCH divided by 18. The divisors were those commonly used in many state formulas for funding higher education to determine FTES equivalents at the 3 levels.

Seventeen institutions had more graduate than undergraduate level FTES. Four of these Teacher Education programs (242, 268, 352, 695) had four times as many graduate level FTES as undergraduate. In the largest institution (496), more than one-half (2523 of 4505) FTES were at the graduate level. Institution 242 had 1366 FTES post-Master's students, or 57% more than the next largest G2 enrollment. Among these 41 universities, there were 46,411 FTES at the undergraduate level, 26,546 at the G1 level, and 13,565 at the G2 level in Teacher Education divisions.

Approximately 35 states now use some system of formula funding for higher education. Within most of those formulas is a system of weighting credit hours produced in order to differentiate the complexity and cost of instruction by academic discipline and by level (undergraduate and one or more graduate levels). Credit hours produced in Teacher Education are usually weighted among the lowest of the university academic disciplines.

Table 32 displays data from the transformation of unweighted credit hours produced in 44 Teacher Education divisions to weighted credit hours. All quarter credit hours were transformed to semester credit hours by

multiplying by .667. The credit hours produced during the 12-month period for each level were then multiplied by the weighting factors in Education. The complexity factors which were originated in the Texas formula and adopted by some other states, including Alabama, were used.

INSERT TABLE 32 ABOUT HERE

Appendix C shows those complexity factors for 15 academic disciplines, by level. Education semester credit hours were multiplied by a factor of 1.04 for undergraduate SCH, by 2.3 for G1 level SCH, and by 8.79 for SCH at the G2 level. Thus, for institution 226, for example, the unweighted credit hours produced (36,875 from Table 31) were multiplied by 1.04 to produce 38,349 weighted credit hours (WSCH), the G1 level SCH (9,939) by 2.3 to produce 22,859 WSCH, and the G2 level SCH (9,298) by 8.79 to produce 81,729 WSCH, and a sum of 142,937 WSCH for that institution. Seventy-three percent of the WSCH produced in institution 226 were at the graduate level, although only 34% of the unweighted credit hours were at the graduate level. If the principle of program complexity holds true--graduate programs are more costly due to smaller classes, senior faculty involvement, more independent and directed research, etc.--then the majority of costs probably were also associated to the graduate sector of the Teacher Education division.

Transforming the unweighted credit hours to WSCH for the institutions produced some dramatic changes in the relative rankings of certain Teacher Education programs. The comparison of tables 28 and 32 reveals those changes. The two tables are not strictly comparable, however. Fifty-five institutions provided data on total credit hours produced (table 28). Several of those 55 institutions were unable to differentiate

graduate SCH by G1 and G2 levels, so data from only 44 institutions are included in Table 32. Nevertheless, some significant changes in ranking were produced as a consequence of applying the SCH weight factors. For example, institution 695 moved from a rank of 48 of 55 in unweighted credit hours to 18 of 44 in WSCH. This is evidence that, while their total unweighted credit hours were relatively small among the 55 Teacher Education programs, their programs are overwhelmingly graduate and therefore their graduate SCH productivity and relative per-SCH cost should be substantially higher. This, in fact, does not prove to be so when the actual per-SCH costs in institution 695 are computed (Table 34). Institution 695 had the lowest per-SCH cost of 42 institutions. This suggests that their funding was very much less than what it should have been, given the predominantly graduate level SCH produced.

Other notable changes in ranking between Table 28 and Table 32 were:

Institution 270, changed from rank 42 to rank 11; institution 352, from rank 39 to 22; institution 268, from 33 to 20; institution 492, from 20 to 9; institution 508, from 17 to 8; institution 528, from 14 to 5; and institution 155, from 10 to 2.

WSCH productivity per FTE faculty. Productivity, in terms of the relation between FTE faculty and WSCH produced, is shown in Table 33. Only the faculty designated for instruction in the budgets from university and contract and grant sources were used for this analysis. This calculation assumes that personnel accounting is reasonably precise among the 48 institutions in Table 33. Although most faculty are probably dedicated primarily to instruction, some faculty and administrative personnel (department chairs and deans) also teach and

produce credit hours. This analysis therefore assumes that those academic personnel are budgeted for instruction for a portion of their costs.

INSERT TABLE 33 ABOUT HERE

The WSCH productivity per FTEF for instruction varied enormously; the productivity in the first-ranked institution was more than 21 times as much as in the lowest-ranked institution. While this might be partially a function of the relative size of the program, the WSCH in institution 543 were only about 9 times as great as in institution 174. The productivity per FTEF in institution 543 was more than twice as great as in the second-ranked institution.

Among the 47 institutions included in Table 33, the weighted average WSCH productivity per FTEF was 798. Interestingly, the Alabama formula for funding higher education--essentially a copy of the Texas formula--is based on a SCH productivity per FTEF of 570 per academic year. Our weighted average for 12 months, 798, translated to an academic year, is 532. If the principle underlying the formula--that this reflects a reasonable load per FTEF for an academic year--is defensible, then the average productivity among the 47 institutions in Table 33 is very close to that standard. At the same time, the faculty in many institutions in Table 33 are obviously extremely overloaded. Several professional discipline accreditation agencies (Engineering, Medicine, Business, Law, Nursing) have established productivity standards, either directly as shown here or indirectly through student-faculty ratios. Institutions cannot exceed those standards significantly without jeapordizing their accreditation.

Actual cost per WSCH. Data on WSCH production and budgets were analyzed to derive the actual cost per WSCH (Table 34). In this calculation, all funds from university sources (less fringe benefits and capital outlay) were added to contract and grant funds (for the purpose of instruction only). The total WSCH produced for each institution (Table 33) was then divided into the total of those budget resources. Both amounts were for the 12-months of 1978-1979.

INSERT TABLE 34 ABOUT HERE

That division yielded the cost per combined WSCH, as shown. That combined WSCH cost was then multiplied by the undergraduate, G1, and G2 complexity factors (Appendix C) to produce the cost per WSCH at each level.

Evidence of greater cost-effectiveness as a function of size was apparent from the results. Institutions with smaller productivity (Table 32) tended to have higher costs per WSCH and vice-versa. There are some notable exceptions to that tendency, however. For example, institution 344 was ranked 19 of 44 in productivity and 4 of 42 in cost; institution 464 was ranked 7 in productivity and 17 in cost; institution 695 was 42 in productivity and 18 in cost; and institution 573 was 23 in productivity and 34 in cost.

Cost per full-time equivalent student (FTES). The per-WSCH cost data from Table 34 enables a very important subsequent calculation: the cost per academic year for one student, by level, in 42 of the 59 participating Teacher Education programs. Those calculations are shown in Table 35.

INSERT TABLE 35 ABOUT HERE

The cost per student per academic year was calculated by multplying the undergraduate WSCH cost for each institution by 30 (2 semesters of 15 SCH each); the G1 level WSCH cost by 24; and the G2 level WSCH cost by 18. The results emphasize the tremendous range--the cost per year was more than 4 times greater in institution 682 compared to institution 695. However, institution 682 was one of the smallest programs and institution 695 was ranked 18 of 44 in WSCH produced.

The weighted average cost per student per academic year by level was also calculated. The number of FTES students by level (Table 31) was multiplied by the cost per student per academic year by level (Table 35) for each institution. The results were summed, then divided by the number of FTES students by level listed in Table 31. The results produced the following average costs per academic year for the 41 institutions in Table 31:

Undergraduate	$1,091	(N=46,411)
Graduate 1 (Master's)	$1,831	(N=26,546)
Graduate 2 (post-MA and doctoral)	$4,556	(N=13,565)

Combined, the average cost per academic year for these 86,522 FTE students for all levels in Teacher Education in these 41 major universities was $1,861.

Degrees conferred during 1978-1979. Table 36 shows the data reported on degrees conferred on graduates of Teacher Education programs in 58 universities.

INSERT TABLE 36 ABOUT HERE

The degrees conferred were almost equally distributed between undergraduate and graduate degrees: 49%, or 22,550 undergraduate degrees were conferred, and 51%, or 23,860 graduate degrees were conferred. Institution 172 conferred no undergraduate degrees and institution 365 conferred only 61 undergraduate degrees. Twenty-seven of the 58 institutions conferred more graduate than undergraduate degrees.

Mix of academic production. The relation of unweighted to weighted credit hours was examined. Table 37 shows that analysis.

INSERT TABLE 37 ABOUT HERE

The purpose of this analysis was to demonstrate the emphasis upon post-baccalaureate education in 44 institutions. In the column labeled "Unweighted mix", the ratio of undergraduate: G1: G2 credit hours produced is shown. The analysis of those data revealed that 35 of the 44 institutions produced more than 50% of their credit hours at the undergraduate level. However, when those SCH were transformed to WSCH by applying the weighting factors, only 7 of the 44 Teacher Education programs had a majority of undergraduate credit hours. In addition, 5 of those institutions had less than 10% of their WSCH at the undergraduate level.

Analysis of program complexity. Another method of analyzing these Teacher Education programs in terms of their program complexity is shown in Table 38. This method reduced the relative program complexity to a single index. The relation of total unweighted SCH to total WSCH was expressed by dividing the former into the latter.

INSERT TABLE 38 ABOUT HERE

The Teacher Education programs are clustered by institutions within the six geographic regions. The four most complex programs and complexity indexes were: institution 270 (4.60), institution 695 (4.44), institution 242 (3.73) and institution 225 (3.07). The institutions with least program complexity, as reflected by WSCH were: institution 344 (1.40), institution 682 (1.43), institution 611 (1.44), and institutions 397 and 488 (1.46). An important consideration is that these complexity indexes discount the size of the program as reflected by budgets, staffing, salaries, etc., and focus on the nature of the academic productivity in terms of the credit hour production. Thus, the group of four institutions above with the highest complexity indexes includes both the institution with one of the largest SCH production (242) and one with the least (225). Among the group of institutions with the lowest complexity indexes, three (488, 611, and 682) produced less than 70,000 WSCH and the other two (344 and 397) produced about double that number of WSCH.

The Bottom Line

The funding of Teacher Education programs within the major state and land-grant universities continues to be seriously deficient. We continue to insist that adequate funding is a necessary condition for qualitative programs to prepare school personnel, just as it is for Engineering, Law, Biology, or Business Administration. Program quality is dependent on sufficient financing to provide faculty, secretarial and support staff, materials and supplies, modern equipment, and adequate space. Teacher Education must define what the minimum

standard of funding must be, as has been done in several other professional disciplines.

The average cost per academic year of instruction for an undergraduate Teacher Education student in the 42 senior universities reported in Table 35 of this study was $1,091. Precise comparative costs are often not current; however, the Kappan (Sept. 1979) reported the national median per-pupil expenditure in U. S. public schools was $1,278 for 1976-77. Extrapolated at an annual increase of 8%, the cost during 1978-1979 would have been $1,491. The Tax Foundation researchers estimated that the 1977-78 per-pupil cost in public schools was $1,950; increased by 8% for 1978-79, this would be $2,106. Assuming that public school systems conservatively expend 85% of budgets for direct costs of instruction, the Kappan estimate for 1978-1979 would translate to $1,267 and the Tax Foundation estimate to $1,790. Again, the average cost per academic year for one of the 46,209 FTE undergraduate Teacher Education students in this study was $1,091, or 14% less than the Kappan estimate and 39% less than the Tax Foundation estimate.

We believe that the preparation of teachers and other educational specialists is as complex and critical as for any other profession. The preparation of good teachers is fundamental to how well they educate our children in school classrooms across the nation. Teacher educators must decide whether our colleges and schools of Education also have standards of minimum funding below which program quality and accreditation will not be acceptable, just as the states have for public schools through minimum foundation funding. Such standards should be as desirable to the professional educational associations, state departments of education, and the public as to the teacher educators themselves.

Table 1
Headcount Faculty by Rank and Rank Order
in Colleges and Schools of Education
Senior Land-Grant and State Universities
1978-1979

Inst.	Prof.	Assoc.	Ass't.	Instr.	Total	Rank
275	70	72	95	70	307	1
402	95	68	37	63	263	2
464	101	51	61	48	261	3
492	65	36	62	27	210	4
488	52	46	49	61	208	5
344	41	56	76	31	204	6
496	108	58	26	11	203	7
573	66	30	68	26	190	8
384	75	71	37	5	188	9
397	41	34	52	60	187	10.5
234	21	43	64	33	187	10.5
318	89	66	20	10	185	12
155	47	69	48	20	184	13
624	74	42	44	9	169	14
340	36	38	51	43	168	15
346	71	49	32	12	164	16
266	65	60	27	8	160	17
365	65	38	37	5	157	18
543	29	37	35	53	154	19
510	45	45	42	16	148	20
508	50	58	37	1	146	21
242	57	62	20	6	145	22.5
287	66	44	33	2	145	22.5
232	32	39	48	18	142	24
433	64	36	28	12	140	25
352	53	37	33	16	139	26
611	28	28	37	32	125	27
682	53	38	23	9	123	28
289	49	46	21	0	116	29
268	27	50	35	2	114	30
598	33	37	35	7	112	31.5
226	46	29	33	4	112	31.5
462	30	40	34	6	110	34
367	31	36	39	4	110	34
528	31	32	24	16	110	34
227	36	35	27	9	108	36
270	19	44	19	25	107	37
351	23	33	33	16	105	38
690	39	31	23	7	100	39
174	42	31	17	1	99	40
545	20	18	27	33	98	41
505	23	30	14	30	97	42
338	22	37	20	14	93	43
383	58	21	10	0	89	44
636	39	28	15	0	82	45
695	27	24	25	5	81	46
599	27	20	22	6	75	47
663	16	19	25	14	74	48
548	13	26	28	4	71	49
594	13	27	24	5	69	50
260	22	23	21	1	67	51
172	20	18	23	2	63	52
550	29	12	12	5	58	53
585	19	17	11	2	49	54
603	14	11	14	8	47	55
225	20	14	7	5	46	56
649	19	8	14	0	43	57
123	14	16	9	2	41	58
121	15	13	9	2	39	59

Table 2
Headcount Faculty by Degree and Rank Order
in Colleges and Schools of Education
in Senior Land-Grant and State Universities
1978-1979

Institution	Ed.D.	Ph.D.	Ed.S.	M.A.	Other	Total	Rank
275	110	108	5	72	19	314	1
402	100	100		63		263	2
464	93	88	2	62	4	261	3
418	54	127		29		210	4
488	22	92		72	22	208	5
344	41	83	3	75	2	204	6
496	101	89	2	11		203	7
573	69	68		13	2	190	8
266	68	76	2	32	11	189	9
384	79	90	1	14	4	188	10
397	45	59		78	5	187	11.5
324	67	50	2	55	13	187	11.5
318	74	95		15		185	13
155	55	111		18		184	14
624	68	96		5		169	15
340	39	69		58	2	168	16
346	77	47		39	1	164	17
365	37	102		18		157	18
543	23	54	1	61		154	19
510	71	50		27		148	20
508	17	97		26	6	146	21
242	54	81	1	7	2	145	22.5
287	47	82		14	2	145	22.5
232	58	42	4	30	8	142	24
433	44	68		27	1	140	25
352	46	78		12	3	139	26
611	25	39		49	4	125	27
682	38	47		38		123	28
289	55	58	1	2		116	29
268	40	72		2		114	30
598	31	65		10	6	112	31.5
226	39	58		10	5	112	31.5
462	16	82		12		110	34
367	38	55		16	1	110	34
528	53	39		18		110	34
227	45	24	3	35	1	108	36
270	24	55		26	2	107	37
351	22	37		42	4	105	38
690	29	48		23		100	39
174	48	41		7	3	99	40
545	28	27		43		98	41
505	41	26		30		97	42
338	22	45		26		93	43
483	41	41	4	3		89	44
636	20	60		2		82	45
695	21	55		5		81	46
599	49	23		2	1	75	47
663	30	23		17	4	74	48
548	23	16		26	6	71	49
594	26	30		6		69	50
260	25	41		1		67	51
172	25	34		4		63	52
550	20	28	1	9		58	53
585	16	30		3		49	54
603	17	19	1	9	1	47	55
225	19	22		5		46	56
649	33	6		4		43	57
123	11	29		2		41	58
121	10	20		7	2	39	59

Table 3
Average Distribution of Faculty Workload by Percent
in Colleges and Schools of Education
Senior Land-Grant and State Universities

1978-1979

	Undergraduate Level			Graduate Level		
Inst.	Teaching	Research	Service	Teaching	Research	Service
226	80	10	10	75	15	10
695	65	18	17	65	18	17
383	80	10	10	75	15	10
496	65	10	25	50	25	25
287	75	15	10	75	20	5
341	85	5	10	65	15	20
510	90	5		75	15	10
268	65	25	10	65	25	10
227	90	5	5	85	10	5
351	75	10	15	70	15	15
242	67	17	16	34	33	33
550	75	6	19	60	20	20
232	75	5	20	67	8	25
528	80	10	10	65	20	15
545	75	10	15	75	15	10
594	38	37	25			
690	100		100			
352	90		10	60	20	20
344	80	10	10	70	15	15
488	100			75	25	
611	70	20	10	70	20	10
340	80	10	10	80	10	10
548	85	5	10	80	10	10
462	75	25		75	25	
543	75	15	10	50	40	10
505	90	5	5	70	20	10
599	75	10	15	50	25	25
384	75	10	15	75	10	15
624	75	15	10	75	15	10
225	75	10	15	50	25	25
492	85	5	10	70	25	5
682	70	7	23	70	7	23
121	75	13	12	50	25	25
365	80	10	10	60	20	20
508	80	10	10	80	10	10
123	60	30	10	45	45	10
433	85	5	10	80	10	10
270	80	10	10	75	15	10
318	80	10	10	60	20	20
573	80	5	15	75	15	10
397	85	5	10	65	15	20
289	77	12	11	71	14	15
266	87	4	9	77	4	19
598	70	20	10	50	40	10
367	68	11	21	50	30	20
174	60	20	20	60	20	20
402	56	28	16	56	28	16
636	50	25	25	50	25	25
275	65	25	10	65	25	10
603	75	25		75	25	
585	80	10	10	70	10	20
155	75	20	5	75	20	5

Table 4
FTE Faculty Budgeted from University Funds in Schools and Colleges of Education in Senior Land-Grant and State Universities
Academic Year 1978-1979

Inst.	Teaching	Research	Service	Administration	Total
464	242.80				242.80
318	235.00			6.50	241.50
275	179.50	38.37	8.09	10.34	236.30
402	205.00				205.00
496	189.00		13.80	13.80	202.80
155	170.00		8.46	14.00	192.46
508	171.00			6.50	177.50
492	162.75			14.25	177.00
624	149.00			13.00	162.00
266	148.00			9.00	157.00
287	154.75				154.75
234	135.54			13.91	149.45
232	94.00	8.00	29.00	11.00	142.00
528	121.87		10.00	6.00	137.87
510	135.75				135.75
367	69.07	16.39	23.42	14.20	123.08
462	121.57				121.57
289	101.50			14.00	115.50
242	106.50				106.50
351	102.26			3.50	105.76
636	87.67		2.83	11.69	102.19
573	102.00				102.00
270	98.00				98.00
174	96.00				96.00
598	90.95			3.30	94.25
383	61.00	12.25	12.75	7.00	93.00
226	89.61			2.53	92.14
268	87.25			4.50	91.75
695	83.81	5.14			88.95
611	79.31			5.28	84.59
594	71.00		7.00	2.25	80.25
690	71.83				71.83
548	68.00	1.00		1.00	70.00
599	56.10	3.30	1.60	6.50	67.50
505	64.00				64.00
550	53.70				53.70
260	48.30			2.60	50.90
123	33.50			13.50	47.00
225	45.50				45.50
340	45.40				45.40
121	34.40				34.40
649	27.96				27.96

Table 5
FTE Faculty Budgeted from University Funds in Schools
and Colleges of Education in Senior Land-Grant and State Universities
Summer Session 1978-1979

Institution	Teaching	Research	Service	Administration	Total
464	40.69				40.69
458	95.39				95.39
275	20.15	1.21			21.36
496	6.23				6.23
155	19.00				19.00
508	29.54				29.54
492	58.44				58.44
266	25.64			5.00	30.64
287	51.25				51.25
234	22.32				22.32
232	76.00	1.00		4.00	81.00
528	36.79				36.79
510	41.53				41.53
367	8.40			1.40	9.80
462	13.22				13.22
289	15.17			3.80	18.97
242	23.17				23.17
351	4.99				4.99
636	14.11				14.11
573	8.95				8.95
270	18.72				18.72
598	9.07			.41	9.48
383	46.67	.91	5.50	5.72	59.03
226	35.37			3.00	38.37
268	48.50			4.00	52.50
695	9.42				9.42
611	9.71			2.16	11.87
594	39.00				39.00
690	13.26				13.26
548	54.00				54.00
599	11.22	.60	.30	1.30	13.42
505	12.36				12.36
550	6.53				6.53
123	4.06	.20			4.26
340	4.92				4.92
649	4.86				4.86

Table 6
FTE Faculty Budgeted for Instruction from University Funds
in Schools and Colleges of Education
in Senior Land-Grant and State Universities
1978-1979

Institution	Academic Year	Summer	12 Months	Total FTE
464	242.80	40.69		283.49
275	236.30	21.36		257.66
318	241.50			241.50
492	177.00	58.44		235.44
232	142.00	81.00		223.00
155	192.46	19.00		211.46
496	202.80	6.23		209.03
508	177.50	29.54		207.04
287	154.75	51.25		206.00
402	205.00			205.00
266	157.00	30.64		187.64
510	135.75	41.53		177.10
528	137.87	36.79		174.66
234	149.45	22.32		171.77
344			169.77	169.77
624	162.00			162.00
383	93.00	59.03		152.03
682			150.25	150.25
268	91.75	52.50		144.25
462	121.57	13.22		134.79
289	115.50	18.97		134.47
352			132.90	132.90
367	123.08	9.80		132.88
226	92.14	38.37		130.15
242	106.50	23.17		129.67
433			124.59	124.59
548	70.00	54.00		124.00
594	80.25	39.00		119.25
543			118.68	118.68
227			118.00	118.00
270	98.00	18.72		116.72
636	102.19	14.11		116.30
573	102.00	8.95		110.95
351	105.76	4.99		110.75
598	94.25	9.48		103.73
695	88.95	9.42		98.37
545			98.37	98.37
611	84.59	11.87		96.46
174	96.00			96.00
338			90.40	90.40
340	45.40	4.92	38.76	89.08
690	71.83	13.26		85.09
599	67.50	13.42		80.92
505	64.00	12.36		76.36
550	53.70	6.53		60.23
123	47.00	4.26		51.26
225	45.50			45.50
121	34.40			34.40
644	27.96	1.86		32.82

Table 7
FTE Faculty Budgeted for Instruction from External Funds
in Schools and Colleges of Education
in Senior State and Land-Grant Universities
1978-1979

Institution	Academic Year	Summer	12 Months	Total FTE	Rank
275			199.65	199.65	1
636	50.14			50.14	2
402	40.00			40.00	3
234			38.70	38.70	4
318			38.00	38.00	5
260	27.53			27.53 *	6
352			27.50	27.50	7
433			16.51	16.51	8
174			16.00	16.00	9
226			12.75	12.75	10
599	12.50			12.50	11
268			11.40	11.40	12
550			10.00	10.00	13
649	7.60			7.60	14
242			7.43	7.43	15
123	5.80	.38		6.18	16
594			5.00	5.00	17
338	3.00	.77		3.77	18
505			1.25	1.25	19
225	1.11			1.11	20

*This figure estimated from data provided.

Table 8
FTE Faculty Budgeted for Instruction from All Fund Sources
in Colleges and Schools of Education
in Senior Land-Grant and State Universities
1978-1979

Institution	FTE Instr. Fac. from Univ. $	FTE Instr. Fac. from External $	Total FTE for Instruction	Rank
275	99.65	199.65	299.30	1
464	283.49		283.49	2
458	283.40		283.00	3
318	235.00	38.00	273.00	4
402	205.00	40.00	245.00	5
492	221.19		221.19	6
508	200.54		200.54	7
234	157.86	38.70	196.56	8
155	189.00		189.00	9
510	177.20		177.20	10
266	173.46		173.46	11
287	171.10		171.10	12
344	169.77		169.77	13
528	158.50		158.50	14
226	138.50	12.75	151.25	15
624	149.00		149.00	16
636	87.67	50.14	137.81	17
242	129.60	7.43	137.03	18
352	109.40	27.50	136.90	19
462	134.79		134.79	20
433	116.59	16.51	133.10	21
227	118.00		118.00	22
270	116.72		116.72	23
289	116.67		116.67	24
232	113.20		113.20	25
174	96.00	16.00	112.00	26
573	110.95		110.95	27
268	96.10	11.40	107.50	28
351	107.20		107.20	29
598	100.02		100.02	30
545	98.30		98.30	31
225	49.98	46.50	96.48	32
695	93.20		93.20	33
338	85.40	3.77	89.10	34
340	89.10		89.10	35
611	87.10		87.10	36
682	86.75		86.75	37
584	79.50	5.00	84.50	38
383	84.30		84.30	39
599	67.32	12.50	79.82	40
505	76.36	1.25	77.61	41
367	77.47		77.47	42
548	76.99		76.99	43
690	75.19		75.19	44
550	60.20	10.00	70.20	45
260	52.22		52.22	46
543	47.29		47.29	47
123	37.56	6.18	43.74	48
649	32.82	7.60	40.42	49

Table 9
FTE Graduate Assistants from All Sources
in Colleges and Schools of Education
Senior Land-Grant and State Universities
12 Months 1978-1979

Institution	University Resources AY	SS	Total	External Resources AY	SS	Total	Total	Rank
458	96.00	10.45	106.40			7.50	113.90	1
174			68.00			31.00	99.00	2
402	51.00		51.00	43.00		43.00	94.00	3
287	88.00		88.00				88.00	4
268	43.50		44.00			30.20	74.20	5
388	63.00	1.67	64.67	7.00	1.98	8.90	73.57	6
318			50.50			19.00	69.00	7
234	35.33		35.33			30.00	65.33	8
464	48.00	5.23	53.23			7.50	60.73	9
232	53.00	5.00	58.00				58.00	10
492	57.50		57.50				57.50	11
226	17.00	8.00	29.50			26.50	56.00	12
599	36.30	7.62	43.56			11.30	54.86	13
383	31.50	22.00	53.50				53.50	14
695	52.03		52.03				52.03	15
624	47.00		47.00				47.00	16
242			15.90			27.70	43.60	17
352			23.40			14.40	37.40	18
528	30.00	6.00	36.00				36.00	19
275	31.98		31.98				31.98	20
573	30.00		30.00				30.00	21.5
227			30.00				30.00	21.5
548	28.00		28.00				28.00	23
496	26.50		26.50				26.50	24
266			26.25				26.25	25
344			24.22				24.22	26
340	10.75		10.75			12.00	22.75	27
611	11.53		11.53	9.74		9.74	21.27	28
351	21.25		21.25				21.25	29
123	15.50	.25	15.75	4.50	.51	5.00	20.75	30
508	20.00		20.00				20.00	31
289	17.00	2.43	19.43				19.43	32
636	18.00		18.00				18.00	33
598	16.05	.67	16.72				16.72	34
543			13.58				13.58	35
649	12.43		12.43	1.00		1.00	13.43	36
462	12.50	.46	12.96				13.43	36
462	12.50	.46	12.96				12.96	37
545	10.40	1.97	12.37				12.37	38
505	2.59		2.59	9.50		9.50	12.09	39
367	7.74	.33	8.07			2.60	10.67	40
155	8.00	1.00	9.00				9.00	41
260	6.00		6.00				6.00	42
682			2.50			3.00	5.50	43
690	3.38		3.38				3.38	44
550			3.00				3.00	45
594	1.00		1.00				1.00	46
585			.50				.50	47

Table 10
Ratio of Support Personnel to Faculty
in Schools and Colleges of Education
in Senior Land-Grant and State Universities
Academic Year 1978-1979

Institution	FTE Faculty*	FTE Support Personnel	Ratio	Rank
636	102.19	71.90	1:1.40	1
433	124.59	78.89	1:1.50	2
242	143.67	68.10	1:2.09	3.5
123	51.26	24.50	1:2.09	3.5
402	205.00	9.00	1:2.25	5
649	32.82	14.17	1:2.31	6
352	132.90	50.20	1:2.64	7
340	92.58	34.50	1:2.68	8
690	80.15	29.66	1:2.70	9
611	108.48	37.40	1:2.90	10.5
367	132.88	45.80	1:2.90	10.5
508	207.04	68.00	1:3.04	12
275	257.66	83.88	1:3.07	13
599	80.87	24.96	1:3.24	14
383	128.53	38.52	1:3.34	15
318	241.50	72.00	1:3.35	16
266	196.71	57.50	1:3.42	17
550	67.99	19.70	1:3.45	18
287	171.14	49.50	1:3.46	19
462	134.79	35.50	1:3.79	20
225	51.98	12.75	1:3.92	21
338	90.40	22.67	1:3.98	22
268	104.62	26.25	1:3.99	23
624	162.00	39.00	1:4.51	24
289	134.47	29.50	1:4.55	25
598	103.73	22.00	1:4.71	26
594	88.79	18.75	1:4.73	27
155	211.46	44.00	1:4.81	28
234	171.77	35.33	1:4.86	29
232	166.20	33.00	1:5.03	30
464	283.49	55.00	1:5.15	31
351	110.75	19.90	1:5.57	32
682	150.25	25.00	1:6.01	33
695	112.76	18.69	1:6.03	34
492	235.44	38.00	1:6.19	35
226	153.54	24.25	1:6.30	36
227	118.00	18.00	1:6.56	37
505	76.36	11.00	1:6.94	38
548	76.99	10.00	1:7.70	39
510	179.54	21.00	1:8.55	40
528	164.57	16.50	1:9.97	41

*Includes all University-funded faculty for instruction, research, service and administration.

Table 11
Average Academic Year Salaries by Faculty Rank
in Schools and Colleges of Education in
Senior Land-Grant and State Universities
1978-1979

Institution	Professor	Associate	Assistant	Instructor
225	$38,320	$22,150	$18,799	$15,449
172	37,173	27,749	18,537	14,310
352 *	31,326	26,397	21,976	21,736
123	31,257	23,764	16,074	17,753
594	30,379	23,290	17,684	11,550
174	30,222	26,279	19,459	16,631
397	29,724	22,399	18,220	14,735
585 *	29,613	23,831	19,874	10,000
227 *	29,531	25,526	17,762	
433	29,417	23,635	19,282	11,886
603	29,308	22,103	17,767	13,300
318	29,017	22,338	18,550	14,049
365	28,802	22,010	18,420	16,480
508	28,748	23,783	17,256	13,900
682	28,689	21,897	18,275	13,925
155	28,468	21,389	16,500	12,320
268	28,360	23,655	17,235	10,200
340	28,296	22,674	19,513	13,887
402	28,125	21,702	16,692	11,898
384	27,976	21,982	17,695	15,930
289	27,450	19,268	16,486	
543	27,423	20,651	16,639	10,664
624	27,040	26,204	17,674	12,718
462	26,757	25,027	16,800	15,157
636	26,631	20,907	16,911	
344	26,431	20,858	16,769	14,381
367	26,420	20,322	16,505	12,004
695	25,988	20,917	18,000	16,200
496	25,900	21,650	17,500	14,950
338	25,712	21,365	17,937	15,633
510	25,421	20,570	17,326	14,207
234	25,413	20,882	16,905	12,816
351	25,347	21,580	16,884	14,154
242	25,292	20,276	16,900	15,238
611	25,276	20,638	17,933	
492	25,245	19,782	15,723	13,140
550	25,238	19,741	16,184	12,188
275	25,236	20,785	17,885	14,017
266	25,229	19,883	16,707	11,972
226	25,207	19,869	16,073	13,902
464	25,110	19,917	16,695	14,751
488	24,930	20,228	16,949	13,640
232	24,666	20,732	16,104	12,535
573	24,451	21,244	17,144	14,819
270	24,333	20,522	16,022	
545	24,332	20,306	17,028	14,790
287	24,329	19,167	16,384	
505	24,180	18,798	17,264	8,300
598	24,042	19,493	15,362 *	11,545
383	24,023	19,583	17,034	
599	23,750	19,290	15,250	12,040
690	23,697	20,215	16,947	12,938
528	23,279	19,256	16,188	13,979
548	22,471	19,127	15,952	11,635
663	21,808	18,480	15,627	14,021
649	21,451	17,325	16,420	
121	21,316	18,387	15,860	13,339

*Faculty appointments and salaries are for 12 months.

Table 11A
Average Academic Year Faculty Salaries by Region in Schools and Colleges of Education in Senior Land-Grant and State Universities
1978-1979

Institution	Professor	Associate	Assistant	Instructor
172	$37,173	$27,749	$18,537	$14,310
123 *	31,257	23,764	16,074	17,753
174	30,222	26,279	19,459	16,631
155	28,468	21,389	16,500	12,320
121	21,316	18,387	15,868	13,339
225	38,320	22,150	18,799	15,449
268	28,360	23,655	17,235	10,200
289	27,450	19,268	16,486	
234	25,413	20,882	16,905	12,816
242	25,292	20,276	16,900	15,238
275	25,236	20,785	17,885	14,017
266	25,229	19,883	16,707	11,972
226	25,207	19,869	16,073	13,002
232	24,666	20,732	16,104	12,535
270	24,333	20,522	16,022	
287	24,329	19,167	16,384	
227 *	21,303	17,964	14,838	12,240
352 *	31,326	26,397	21,976	21,736
397	29,724	22,399	18,220	14,735
318	29,017	22,338	18,550	14,049
365	28,802	22,010	18,420	16,480
340	28,296	22,674	19,513	13,887
384	27,976	21,982	17,695	15,930
344	26,431	20,858	16,769	14,381
367	26,420	20,322	16,505	12,004
338	25,712	21,365	17,937	15,633
351	25,347	21,580	16,884	14,154
383	24,023	19,583	17,034	
433	29,417	23,635	19,282	11,886
402	28,125	21,702	16,692	11,898
462	26,757	25,027	16,800	15,157
496	25,900	21,650	17,500	14,950
492	25,245	19,782	15,723	13,140
464	25,110	19,917	16,695	14,751
488	24,930	20,228	16,949*	13,640
594	30,379	23,290	17,684	11,550
585 *	29,613	23,831	19,874	10,000
508	28,748	23,783	17,256	13,900
543	27,423	20,651	16,639	10,664
510	25,421	20,570	17,326	14,207
550	25,238	19,741	16,184	12,188
573	24,451	21,244	17,144	14,819
545	24,332	20,306	17,028	14,790
505	24,180	18,798	17,264	8,300
598	24,042	19,493	15,362	11,545
599	23,750	19,290	15,250	12,040
528	23,279	19,256	16,188	13,979
548	22,471	19,127	15,952	11,635
603	29,308	22,103	17,767	13,300
682	28,689	21,897	18,275	13,925
624	27,040	26,204	17,674	12,718
636	26,631	20,907	16,911	
695	25,988	20,917	18,000	16,200
611	25,276	20,638	17,933	
690	23,697	20,215	16,947	12,938
663	21,808	18,480	15,627	14,021
649	21,451	17,325	16,420	

*Faculty appointments and salaries are on a 12-month basis.

Table 12
Summer Session Salaries by Academic Rank
in State Universities and Land-Grant Colleges
Summer 1979

Inst.	Prof.	Assoc.	Asst.	Instr.
225	$6,386	$3,691	$3,133	$2,528
172	5,224	4,048	2,786	2,358
123	2,261	2,030	1,588	2,021
594	6,075	4,658	3,536	2,310
341	8,917	6,719	5,466	4,420
397	8,917	6,719	5,466	4,420
433	4,903	3,939	3,214	1,981
603	4,884	3,683	2,961	2,216
318	4,353	3,788	2,689	1,877
365	7,200	5,502	4,605	4,120
508	9,582	7,926	5,600	
155	5,693	4,277	3,300	2,464
268	4,962	4,154	3,576	
340	4,716	3,780	3,252	2,314
384	3,388	2,868	2,365	
543	9,141	6,884	5,546	2,868
462	3,000	2,780	1,866	1,684
636	5,918	4,646	3,758	
367	4,800	4,064	3,317	2,400
496	3,885	3,247	2,625	2,242
510	4,236	3,428	2,888	2,368
234	7,624	6,265	5,072	3,854
351	3,100	3,100	3,100	3,100
242	7,588	6,083	5,070	4,571
611	8,341	6,810	5,917	
492	5,610	4,396	3,494	2,920
550	4,837	3,934	3,364	
275	7,570	6,235	5,365	4,205
226	7,562	5,961	4,822	3,901
464	5,580	4,426	3,710	3,278
488	3,876	3,270	2,755	2,392
232	6,166	5,183	4,026	3,133
573	4,890	4,248	3,428	2,963
270	3,048	3,078	2,400	
545	5,407	4,512	3,784	3,287
287	3,243	2,554	2,183	
505	7,471	5,498	2,780	1,833
383	5,050	4,477	2,829	
599	5,050	4,028	3,314	2,660
690	5,213	4,447	3,728	2,846
528	7,750	6,418	5,396	4,660
548	6,310	4,875	3,088	1,388
663	4,846	4,107	3,473	3,116
649	4,719	3,811	3,622	
121	2,646	2,268	1,952	1,652
227	8,228	7,562	2,924	

Table 13
Faculty Compensation for Summer Sessions
in Colleges and Schools of Education
in State and Land-Grant Universities
Summer 1979

Inst.	Percent of AY Salary	Weeks in Summer Sessions	Number of Terms	Comments
227	28	5	2	Four courses plus 1 course for overload pay.
226	30	5	2	
695	22	8	1	
483	30	13	3	2 sess. of 5 wks. 1 of 3 wks.; max. 12 hrs. load.
496	15	10	2	Faculty usually teach one 5 wk. term.
287	33	8-10		
550	20	8	1	Max. load 6 hrs.
510	33.33	5	2	
351		5	2	$310 per quarter hr.; most teach 10 qtr. hrs.
234	30	11	1	
268		9	12	One 3 wk. term; one 6 wk. term.
232	25	11	2	3 wk. presession plus 9 wk. overlapping term.
242	30	6-8	1	
458	22	8	2	3 wk. intersession and 8 wk. summer session.
528	33	10	2	Min. tchg. load at least 12 hrs., fac. are 12 mo.
545	22	8-9	1	Faculty teach no more than 9 sem. hrs.
594	20	8	2	Two courses constitutes full load.
690	22	8	1	
352		8-10		All faculty employed 12 months.
464	8	8		3 wk. intersession, 8 wk. summer.
344	1/45 per. hr	10	2	
488	16.67	12	2	6-7 hrs. generally maximum.
611	33.33	13	3	
340	8.3	12	2	Faculty limited to 6 hrs.
548	15	12	2	
462	11 to 22	8	1	
543		11	2	
505	33.33	12	2	
599	20	8	1	
649	22	8	1	2 course limit for faculty.
384	20	6-8	2-3	
624	18	5	2	6 sem. hrs. limit.
492		8		
682		6	2	
121		9	3	Limited to 6 sem. hrs.
338		10	2	7 hrs. 1 session-max. of 9 for both sessions.
365	25	11	2	
508	16.67	12	2	
123	22	14	2	Maximum 2 courses.
433	33.33	12	2	Teach only 7 of 8 consecutive quarters.
270		10	2	
318	3 per SCH.		2	6 sem. hrs. limit; to 9 with special permission.
573	20	8		6 sem. hrs. limit.
397	18	5-6		Limit of 8 hrs.
289	33.33	11	1	
266	25	10	2	12 qtr. hrs. maximum.
346	14	10	2	Full time is 6-9 qtr. hrs.
598	22.2	8	1	2 courses 5-7 hrs., most common.
172	2 1/2 per SCH.	12	3	Faculty limited to 1 course per session.
367	20	12	2	4 and 8 wk. sessions.
402	16.67	10	2	Limit is 1 term an $_{qtr}$ sch.
636	22	9	2	
275	30	10		Faculty limit is 15 atr. hr.
603	16.67	12	2	Limit is 1 term and 6 sch.
585		8	2	Fac. on 12 mo. contracts. with 6 hrs. sum. load
663	22	9	2	Limit is 7 qtr. hrs. and one session.
260	16.66	6	1	Limit is 2 courses.
225	1 1/2 per SCH.	2-6	2	No more than 2 courses per 6 wk. session.

Table 14
Budgets from University Sources by Academic Period in Colleges and Schools of Education in Senior Land-Grant and State Universities
12 Months 1978-1979

Institution	Academic Year	Summer Session	Fiscal Year	12 Month Total	Rank
275	$8,199,930	$598,219		$8,798,149	1
402	7,372,996			7,372,996	2
464	6,027,200	852,355		6,879,555	3
496	6,699,985	144,702		6,844,687	4
384	6,093,426	534,220		6,627,646	5
318			6,136,565	6,136,565	6
492	3,649,751	1,225,315		5,904,730	7
508	5,190,271	695,864		5,886,135	8
433		776,764	5,074,552	5,851,316	9
344			5,754,429	5,754,429	10
155	5,052,811	408,966		5,461,777	11
232	4,825,429	563,091		5,388,520	12
287	4,275,155	397,484	541,021	5,213,660	13
266	3,277,150	527,880	1,402,089	5,207,119	14
242	4,461,612	637,836		5,099,475	15
397		348,000	4,536,858	4,884,858	16
624	4,767,905			4,767,905	17
488		215,651	4,546,163	4,761,814	18
352			4,597,059	4,597,059	19
234	3,996,509	455,965		4,452,474	20
510	3,022,231	884,413	536,668	4,443,312	21
528	3,449,185	782,429		4,231,615	22
682			4,162,308	4,162,308	23
543			4,012,230	4,012,230	24
573	3,747,469	197,072		3,914,541	25
462	3,446,467	299,161		3,745,628	26
636	3,404,431	250,000		3,654,431	27
226	2,143,475	438,000	936,180	3,544,655	28
548	3,229,543	195,772		3,425,315	29
611	1,834,163	252,074		3,333,382	30
367	3,139,301	193,744		3,333,045	31
351	3,179,941	118,075		3,298,024	32
338	2,694,759	552,273		3,247,033	33
268	2,297,578	225,879		3,245,310	34
174			3,163,971	3,163,971	35
383	2,479,845	499,042		2,978,887	36
278	2,431,717	469,381		2,901,098	37
598	2,045,725	197,788		2,894,775	38
545	2,529,465	209,716		2,739,181	39
690			2,607,162	2,607,162	40
340	991,312	160,016	1,405,016	2,556,344	41
227			2,428,060	2,428,060	42
599	1,966,160	393,232		2,359,393	43
695	1,605,707	162,055		2,197,009	44
550	1,411,248	165,055		2,060,612	45
594	1,770,823	138,254		1,908,537	46
505	1,588,984	247,000		1,835,984	47
123	1,668,113	107,415		1,775,528	48
260	1,583,332	106,493		1,689,825	49
663			1,672,595	1,672,595	50
649	1,388,539	122,221		1,510,760	51
225	1,048,823	101,710		1,354,102	52
603			1,041,083	1,041,083	53
121	932,525			932,525	54

Table 15
Budgets from Temporary (Contract and Grant) Sources
by Rank Order, Colleges and Schools of Education
Senior Land-Grant and State Universities
12 Month Period 1978-1979

Institution	Amount
275	$4,641,092
402	4,151,655
155	3,506,014
508	3,329,624
352	2,899,938
636	2,542,771
234	2,539,091
496	2,487,494
433	2,460,046
318	2,007,782
174	1,894,415
266	1,884,760
382	1,857,722
624	1,792,281
611	1,695,092
287	1,602,727
340	1,368,566
492	1,367,588
543	1,326,009
695	1,305,868
649	1,263,246
351	1,218,870
242	1,191,048
268	1,188,441
599	1,161,626
123	1,155,304
367	1,152,789
690	1,067,048
232	1,012,039
462	995,040
464	987,539
226	846,233
544	758,704
545	752,675
510	750,000
488	716,270
289	421,984
538	375,828
550	144,150
225	127,781
594	117,144
397	73,280
505	60,797
483	16,176

Table 16
University Resources per FTE Faculty
in Colleges and Schools of Education
in Senior Land-Grant and State Universities
12 Months 1978-1979

Institution	Budget from University Resources	FTE Faculty*	University Resources per FTE Faculty	Rank
433	$5,846,742	124.59	$46,927	1
469	1,510,760	32.82	46,031	2
548	3,409,208	76.99	44,289	3
402	7,372,996	205.00	35,965	4
636	3,654,431	102.19	35,761	5
338	3,218,668	90.40	35,604	6
242	5,095,468	143.67	35,466	7
352	4,597,059	132.90	35,590	8
123	1,766,428	51.26	34,460	9
275	8,797,849	257.66	34,145	10
543	4,012,230	118.68	33,807	11
174	3,135,947	96.00	32,661	12
344	5,754,429	176.50	32,602	13
690	2,607,162	80.15	32,528	14
232	5,372,720	166.20	32,326	15
268	3,233,810	104.62	30,910	16
287	5,195,225	171.14	30,356	17
550	2,060,612	67.99	30,307	18
260	1,657,925	54.87	30,215	19
351	3,298,024	110.75	29,779	20
624	4,721,572	162.00	29,145	21
599	2,359,393	81.00	29,128	22
318	6,994,942	241.50	28,964	23
508	5,874,230	207.04	28,372	24
598	2,894,775	103.73	27,906	25.5
289	3,752,566	134.47	27,906	25.5
462	3,728,628	134.79	27,662	27
340	2,553,344	92.58	27,579	28
545	2,736,631	99.67	27,456	29
682	4,110,464	150.25	27,357	30
266	5,203,119	196.71	26,450	31
225	1,349,352	51.98	25,959	32
155	5,461,777	211.46	25,829	33
234	4,421,664	171.77	25,741	34
528	4,231,615	164.57	25,713	35
367	3,333,045	132.88	25,083	36
492	5,865,496	235.44	24,912	37
270	2,901,098	116.72	24,855	38
510	4,407,832	179.54	24,550	39
464	6,844,855	283.49	24,144	40
505	1,835,984	76.36	24,043	41
383	2,961,158	128.53	23,038	42
226	3,496,503	153.54	22,772	43
573	2,441,922	110.95	22,009	44
594	1,901,037	88.79	21,410	45
227	2,428,080	118.00	20,576	46
695	2,186,245	112.76	19,388	47

*Includes all FTE faculty budgeted from university resources for instruction, research, service, and administration.

Table 17
Capital Outlay Funds in Colleges and Schools of Education
in Senior State and Land-Grant Universities
12 Months 1978-1979

Institution	12 Months U. Resources	12 Months Ext. Resources	Total	Rank
492	$39,234	$150,000	$189,234	1
611	32,100	117,068	149,168	2
365	40,100	80,000	120,100	3
624	46,333	40,000	86,333	4
682	51,844	33,737	85,581	5
123	9,100	68,030	77,130	6
226	48,152	27,116	75,268	7
275	300	59,603	59,903	8
289	20,000	33,782	53,782	9
464	34,700	16,882	51,582	10
338	28,365	12,595	41,324	11
258	11,500	25,000	36,500	12
510	35,480		35,480	13
690		33,850	33,850	14
260	20,900	11,630	32,530	15
234	30,810		30,810	16
488	30,000		30,000	17
174	28,474		28,474	18
340	3,000	24,405	27,405	19
287	18,435		18,435	20
383	17,729		17,729	21
462	17,000		17,000	22
318		16,376	16,376	23
232	15,800		15,800	24
599		15,000	15,000	25
508	11,905		11,905	26
695	10,764		10,764	27
433	4,574	5,319	9,893	28
594	7,500		7,500	29
663	6,215		6,215	30
367		5,847	5,847	31
225	4,750		4,750	32
242	4,007		4,007	33
266	4,000		4,000	34
603	3,667		3,667	35
545	2,550		2,550	36
636		982	982	37

Table 18

Percent of College Budget for Operating Expenses by Rank Order, Colleges of Education in Senior Land-Grant and State Universities 12 Months 1978-1979

Institution	Percent for Operations
397	22.39
611	14.84
123	13.76
585	12.81
649	10.90
488	10.66
344	10.14
268	10.12
338	9.76
543	9.60
234	9.49
690	8.79
682	8.73
275	8.09
590	7.80
550	7.73
352	7.56
624	7.49
365	7.45
266	7.16
599	7.04
492	6.93
318	6.93
528	6.28
462	6.28
573	6.13
696	6.04
383	5.82
510	5.74
227	5.63
367	5.20
384	5.14
663	5.14
594	5.07
505	4.80
433	4.55
242	4.52
260	4.48
464	4.40
155	4.31
174	4.28
287	3.96
232	3.81
351	3.79
226	3.40
508	2.82
340	2.80
289	2.27
225	1.59

Table 19
Tuition Cost Per Semester Credit Hour (SCH)
in Senior Land-Grant and State Universities
1978-1979

Institution	Cost Per Undergraduate SCH	Cost Per Graduate SCH
121	$30.00	$30.00
123	39.00	52.00
155	44.00	60.00
172	36.00	45.00
174	17.50	27.91
225	12.13	15.16
226	23.86	29.83
227	31.33	39.16
232	18.53	26.91
234	22.00	27.50
242	23.62	23.62
260	24.26	30.33
266	15.00	20.00
268	19.50	21.04
270	24.40	30.50
275	30.25	37.81
289	24.75	33.00
318	60.33	82.00
338	29.86	45.00
340	14.16	18.95
344	28.60	48.25
346	32.50	43.62
351	35.20	44.00
352	34.70	72.87
365	37.00	58.75
367	22.73	42.00
383	28.00	28.00
384	36.00	76.00
397	40.70	57.13
402	32.00	51.00
433	24.91	39.58
462	32.40	40.50
488	27.20	34.00
496	28.05	34.70
505	4.00	4.00
508	16.50	16.50
510	14.46	18.08
528	12.00	15.00
543	4.00	5.00
545	18.46	23.08
548	13.86	17.33
560	25.80	35.50
573	25.80	35.50
585	16.67	20.75
594	30.00	33.00
598	23.67	29.59
599	14.25	22.50
603	23.60	29.50
611	20.16	26.45
624	20.00	25.00
636	22.90	32.12
649	18.80	26.00
663	19.07	23.84
682	15.00	22.91
690	20.10	25.12
695	26.50	33.13

Table 20
Number of Course Sections Offered, Undergraduate
Level in Colleges and Schools of Education
in Land-Grant and State Universities
1978-1979

Institution	1978-1979 Academic Year	Summer Sessions	12 Months 1978-1979	Rank
543			1748	1
232	1052	235	1287	2
266	965	284	1249	3
464	1094	134	1228	4
508	1097	122	1219	5
227	939	172	1111	6
548	894	192	1086	7
528	813	201	1014	8
234	812	126	938	9
275	758	169	927	10
488	793	90	883	11
598	710	49	759	12
155	642	82	742	13
351	720	21	741	14
624	587	139	726	15
338	534	171	705	16
226	522	147	669	17
384	561	89	650	18
492	497	126	623	19
367	489	92	581	20
682	405	162	567	21
318	457	80	537	22
545	459	70	529	23
599	467	51	518	24
611	477	37	514	25.5
383	455	59	514	25.5
346	449	40	489	27
690	408	50	458	28
603	356	82	438	29
242	319	70	389	30
505	319	37	356	31
550	290	25	315	32
585	254	48	302	33
123	272	17	289	34
340	272	13	285	35
289	230	52	282	36
649	216	21	237	37
270	203	22	225	38
121	135	42	177	39.5
594	150	27	177	39.5
268	168	6	174	41
260	134	10	144	42
354			135	43
352	127		127	44
433	105	12	117	45
695	104	8	112	46
225	74	6	80	47

Table 21
Number of Graduate Course Sections Offered by
Level in Colleges and Schools of Education in
Senior State and Land-Grant Universities
12 Months 1978-1979

Institution	G1 Total 12 Months	G2 Total 12 Months	Total 12 Months	Rank
543	742	979	1,721	1
508	1,356		1,356	2
266	951	204	1,155	3
318	1,120		1,120	4
624	895	211	1,106	5
528	702	400	1,102	6
352	356	742	1,098	7
232	702	335	1,037	8
384	609	375	984	9
268	649	317	966	10
242	535	386	921	11
464	681	194	875	12
155	404	428	832	13
275	775		775	14
121	563	172	735	15
492	312	390	702	16
338	691		691	17
226	291	343	634	18
383	402	225	627	19
270	157	440	597	20
340	551	37	588	21
433	563		563	22
462	430	128	558	23
367	193	305	498	24
598	370	120	490	25
599	222	244	466	26
346	390	50	440	27
690	361	69	430	28
682	383	23	406	29
505	252	129	381	30
603	174	203	377	31
548	293	77	370	32.5
488	276	94	370	32.5
123	258	106	364	34
695	159	190	349	35
351	257	80	337	36
611	278	11	289	37
545	233	43	276	38
585	252		252	39
550	191	53	244	40
225	152	85	237	41
594	203	10	213	42
649	132	66	198	43

Table 22
Total Undergraduate and Graduate Course
Sections Offered in Schools and Colleges
of Education in Land-Grant and State Universities
12 Months 1978-1979

Institution	Undergraduate	Graduate	Total	Rank
543	1748	1721	3469	1
508	1219	1356	2575	2
266	1249	1155	2404	3
275	927	1410	2337	4
232	1287	1037	2324	5
528	1014	1102	2116	6
464	1228	875	2103	7
624	726	1106	1832	8
318	537	1120	1657	9
384	650	984	1634	10
155	724	832	1556	11
548	1086	370	1456	12
462	845	558	1403	13
338	705	691	1396	14
492	623	702	1325	15
242	389	921	1310	16
226	669	634	1303	17
488	883	370	1253	18
598	759	490	1249	19
352	135	1098	1233	20
383	514	627	1141	21
268	174	966	1140	22
227	1111		1111	23
367	581	498	1079	24
351	741	337	1078	25
599	518	466	984	26
682	567	406	973	27
234	938		938	28
346	489	440	929	29
121	177	735	912	30
340	285	588	873	31
690	458	430	888	32
433	117	735	852	33
585	302	545	847	34
270	225	597	822	35
603	438	377	815	36
545	529	276	805	36
611	514	289	803	38
289	282	485	767	39
505	356	381	737	40
123	289	364	653	41
550	315	244	559	42
260	144	412	556	43
695	112	349	461	44
649	237	198	435	45
594	177	213	390	46
225	80	237	317	47

Table 23
Headcount Course Enrollments, Undergraduate Level in Schools and Colleges of Education in State and Land-Grant Universities
1978-1979

Institution	Academic Year	Summer	12 Months	Rank
543			43,948	1
464	26,010	1,865	27,855	2
232	21,721	3,073	24,794	3
266	18,217	3,056	21,273	4
365	16,708	4,271	20,979	5
234	16,696	1,951	18,647	6
624	15,182	2,796	17,978	7
462	15,680	1,334	17,014	8
598	16,245	523	16,768	9
227	13,632	2,006	15,638	10
528	13,228	2,364	15,592	11
488	14,495	900	15,395	12
155	12,890	1,256	14,146	13
351	13,355	398	13,753	14
492	11,873	1,781	13,654	15
287	11,880	1,466	13,346	16
226	11,130	1,894	13,024	17
545	11,242	1,397	12,639	18
690	11,457	874	12,291	19
603	12,682	1,607	12,289	20
682	6,800	4,289	11,089	21
599	9,916	840	10,756	22
367	9,231	1,143	10,374	23
340	9,823	245	10,068	24
318	8,659	1,074	9,733	25
346	8,744	563	9,307	26
383	7,358	427	7,785	27
289	5,154	845	5,999	28
508	4,978	758	5,736	29
174	5,450		5,450	30
649	5,108	241	5,349	31
636	3,749	1,498	5,247	32
585	4,747	395	5,142	33
275	4,398	575	4,973	34
397	4,260	649	4,909	35
550	4,435	280	4,715	36
242	3,835	707	4,542	37
505	3,302	1,038	4,340	38
121	3,249	449	4,324	39
433	3,874	449	4,323	40
594	3,743	481	4,224	41
270	3,489	385	3,874	42
123	3,639	137	3,776	43
260	3,168	295	3,463	44
268	3,291	51	3,342	45
548	2,475	824	3,299	46
384	2,449	679	3,128	47
573	2,500	225	2,725	48
352	2,554	133	2,688	49
338	1,824	812	2,636	50
344			2,386	51
611	1,974	309	2,281	52
225	2,120	87	2,207	53
695	1,957	74	2,032	54

Table 24
Headcount Course Enrollments, Graduate Level in Colleges and Schools of Education in Land-Grant and State Universities
1978-1979

Institution	Academic Year	1979 Summer	12 Months	Rank
242	12,179	3,894	16,073	1
318	11,192	3,589	14,781	2
624	9,398	4,274	13,672	3
155	10,950	1,951	12,901	4
365	12,625	5,215	12,840	5
528	7,861	4,412	12,273	6
464	6,938	4,755	11,693	7
268	8,126	2,194	10,320	8
352	8,394	1,668	10,062	9
598	6,600	2,496	9,096	10
433	6,587	1,814	8,401	11
172	6,917	1,268	8,185	12
340	5,267	2,906	8,173	13
270	5,172	2,729	7,901	14
266	5,156	2,441	7,597	15
462	4,808	1,839	6,647	16
492	3,753	2,639	6,392	17
275	4,224	1,745	5,969	18
695	4,636	1,273	5,909	19
226	3,261	2,515	5,776	20
232	5,429	3,329	5,768	21
338	2,851	2,889	5,740	22
346	3,261	2,284	5,545	23
384	3,165	2,180	5,345	24
174	5,136	N/A	5,136	25
585	3,738	1,282	5,020	26
636	3,653	1,251	4,904	27
383	2,139	2,271	4,410	28
289	3,237	1,105	4,342	29
690	2,463	1,657	4,120	30
550	2,649	1,395	4,044	31
599	2,997	1,001	3,998	32
594	2,745	1,184	3,929	33
682	2,738	1,189	3,927	34
548	2,509	1,416	3,925	35
225	2,678	1,107	3,785	36
397	1,882	1,811	3,693	37
545	2,451	1,116	3,567	38
367	2,615	896	3,511	39
508	2,366	932	3,298	40
123	1,810	1,413	3,223	41
260	2,354	847	3,201	42
121	857	1,814	2,671	43
603	1,655	868	2,523	44
351	1,705	741	2,446	45
488	1,624	753	2,377	46
573	1,220	1,138	2,358	47
505	1,349	979	2,328	48
649	1,210	874	2,084	49
611	672	565	1,237	50

Table 25
Total Undergraduate and Graduate Course
Enrollment in Schools and Colleges of Education
in Land-Grant and State Universities
1978-1979

Institution	Academic Year	Summer	12 Months	Rank
464	32,948	6,620	39,568	1
365	29,333	9,485	38,818	2
232	27,150	6,402	33,552	3
624	24,580	7,070	31,650	4
266	23,373	5,497	28,870	5
528	21,089	6,776	27,865	6
155	23,840	3,207	27,047	7
598	22,845	3,019	25,864	8
318	19,851	4,663	24,514	9
462	20,488	3,173	23,661	10
585	20,822	1,677	22,499	11
242	16,014	5,740	21,754	12
492	15,626	4,420	20,046	13
226	14,391	4,409	18,800	14
234	16,696	1,951	18,647	15
340	15,090	3,151	18,241	16
488	16,119	1,653	17,772	17
690	13,920	2,531	16,451	18
545	13,693	2,513	16,206	19
351	15,060	1,139	16,199	20
227	13,632	2,006	15,638	21
682	9,538	5,478	15,016	22
346	12,005	2,847	14,852	23
603	12,337	2,475	14,812	24
599	12,913	1,841	14,754	25
367	11,846	2,039	13,885	26
268	11,417	2,245	13,662	27
287	11,880	1,466	13,346	28
352	10,948	1,801	12,749	29
433	10,461	2,263	12,724	30
383	9,497	2,698	12,195	31
270	8,661	3,114	11,775	32
275	8,622	2,320	10,942	33
174	10,586		10,586	34
289	8,391	1,950	10,341	35
636	7,402	2,749	10,151	36
508	7,344	1,690	9,034	37
550	7,084	1,675	8,759	38
397	6,142	2,460	8,602	39
384	5,614	2,859	8,473	40
172	6,917	1,268	8,185	41
594	6,488	1,665	8,153	42
695	6,593	1,347	7,940	43
649	6,318	1,115	7,433	44
548	4,984	2,240	7,224	45
123	5,449	1,550	6,999	46
338	3,189	3,701	6,890	47
505	4,651	2,017	6,668	48
260	5,522	1,142	6,664	49
121	4,106	2,263	6,369	50
225	4,798	1,194	5,992	51
573	3,720	1,363	5,083	52
611	2,646	874	3,520	53

Table 26
Semester Credit Hours Produced, Undergraduate Level in Colleges and Schools of Education in Senior Land-Grant and State Universities
1978-1979

Institution	78-79 Academic Year	79 Summer	12 Month Total	Rank
344	N/A	N/A	75,517	1
365	53,466	13,660	67,126	2
464	60,933	4,542	65,475	3
624	52,143	12,673	64,816	4
543	N/A	N/A	63,989	5
232	54,955	7,878	62,833	6
275	55,525	5,332	60,857	7
402	50,561	9,188	59,749	8
496	N/A	N/A	59,451	9
266	50,920	8,353	59,273	10
234	47,134	6,634	53,768	11
508	42,730	5,322	48,052	12
510	41,235	6,384	47,619	13
287	42,282	5,131	47,413	14
155	38,670	3,768	42,438	15
351	38,196	1,648	39,844	16
573	37,508	1,695	39,203	17
548	32,422	6,441	38,863	18
528	32,749	5,740	38,489	19
384	34,075	4,280	38,355	20
492	33,196	4,911	38,107	21
226	31,712	5,163	36,875	22
611	34,524	2,089	36,613	23
227	32,480	3,426	35,906	24
346	33,604	2,018	35,622	25
462	31,228	2,775	34,003	26
505	24,638	7,394	32,032	27
488	29,466	1,826	31,292	28
663	29,820	1,416	31,236	29
598	29,380	944	30,324	30
690	27,481	2,301	29,782	31
318	25,979	3,223	29,202	32
340	27,985	855	28,870	33
599	25,712	2,199	27,911	34
367	25,210	2,687	27,897	35
289	23,932	3,593	27,525	36
682	17,395	9,323	26,718	37
338	21,357	3,893	25,250	38
603	20,671	3,004	23,675	39
545	21,528	2,025	23,553	40
242	19,179	3,535	22,714	41
636	15,661	4,484	20,145	42
383	17,672	1,048	18,720	43
433	15,527	1,823	17,350	44
649	16,498	642	17,140	45
174	16,350	N/A	16,350	46
585	14,008	971	14,979	47
594	11,177	1,722	12,899	48
270	10,467	1,155	11,622	49
121	11,047	N/A	11,047	50
260	9,504	885	10,389	51
268	10,135	170	10,305	52
550	9,298	814	10,112	53
352	7,850	549	8,399	54
225	7,548	231	7,779	55
123	7,278	274	7,552	56
695	4,874	335	5,209	57

Table 27
Semester Credit Hours Produced, Graduate Level
in Colleges and Schools of Education in
Senior Land-Grant and State Universities
1978-1979

Institutions	78-79 Academic Year	79 Summer Sessions	12-Month Total	Rank
242	44,548	20,819	63,367	1
496	N/A	N/A	56,275	2
365	39,139	29,853	54,787	3
318	33,577	12,265	44,824	4
624	28,954	13,134	42,088	5
275	28,386	12,882	41,269	6
155	32,850	5,853	38,703	7
528	23,709	13,357	37,066	8
464	20,370	14,236	34,606	9
268	24,679	6,869	31,548	10
433	24,224	7,006	31,230	11
352	25,493	4,365	29,860	12
384	19,240	9,735	28,975	13
510	16,923	11,108	27,931	14
172	23,621	3,994	27,615	15
232	16,361	9,983	26,344	16
598	18,920	6,552	25,472	17
338	12,467	16,767	25,186	18
695	19,062	4,807	23,870	19
266	16,360	7,429	23,772	20
270	15,516	8,187	23,703	21
340	14,079	8,718	22,797	22
492	13,166	8,958	22,124	23
508	16,190	5,738	21,928	24
289	16,148	5,334	21,482	25
462	15,256	5,456	20,712	26
346	11,728	8,593	20,353	27
226	11,196	8,041	19,237	28
636	13,865	4,310	18,175	29
543	N/A	N/A	15,825	30
174	15,408	N/A	15,408	31
344	N/A	N/A	14,938	32
585	10,082	3,172	13,254	33
383	6,408	6,696	13,104	34
402	10,931	2,017	12,948	35
573	14,669	6,839	12,497	36
550	17,956	4,201	12,197	37
548	7,527	4,249	11,776	38
682	8,145	3,499	11,644	39
690	6,923	4,587	11,510	40
599	8,885	2,548	11,433	41
397	5,958	5,470	11,428	42
545	7,991	3,408	11,399	43
594	7,386	3,917	11,303	44
225	7,929	229	11,158	45
488	6,990	3,420	10,410	46
505	6,102	3,817	9,919	47
260	7,062	2,541	9,603	48
611	5,429	4,161	9,590	49
351	6,591	2,942	9,533	50
367	6,646	2,658	9,304	51
603	5,198	2,648	7,846	52
123	3,620	2,826	6,446	53
649	3,908	2,413	6,321	54
663	1,960	1,628	3,589	55
121	2,571	N/A	2,571	56

Table 28
Total Undergraduate and Graduate Semester Credit Hours Produced in Colleges and Schools of Education in Senior Land-Grant and State Universities
1978-1979

Institutions	Academic Year	Summer Session	Total	Rank
365	92,605	29,307	121,912	1
496	115,726	NA	115,726	2
624	81,097	25,807	106,904	3
275	83,911	18,214	102,125	4
464	81,303	18,718	100,021	5
344	NA	NA	90,455	6
232	71,316	17,861	89,177	7
242	63,727	24,354	88,081	8
266	67,280	15,782	83,062	9
155	71,520	9,621	81,141	10
543	79,814	NA	79,814	11
397	71,590	6,000	77,590	12
510	58,958	17,492	76,450	13
528	56,458	19,097	75,555	14
318	59,556	14,497	74,053	15
402	61,492	11,205	72,697	16
508	58,920	11,060	69,980	17
384	53,315	14,015	67,330	18
573	52,177	8,534	60,711	19
492	46,362	13,869	60,231	20
226	42,908	13,204	56,112	21
346	45,332	10,611	55,943	22
598	48,300	7,496	55,796	23
462	46,484	8,231	54,715	24
338	33,824	20,660	54,484	25
340	42,064	9,603	51,667	26
548	39,949	10,690	50,639	27
351	44,787	4,626	49,413	28
289	40,080	8,927	49,007	29
433	39,751	8,829	48,580	30
611	39,953	6,250	46,203	31
505	30,740	11,211	41,951	32
268	34,814	7,039	41,853	33
488	36,456	5,245	41,701	34
699	34,404	6,888	41,292	35
599	34,597	4,747	39,344	36
682	25,540	12,822	38,362	37
636	29,526	8,794	38,320	38
352	33,343	4,914	38,257	39
367	31,856	5,345	37,201	40
663	31,780	3,588	35,368	41
270	25,983	9,342	35,325	42
545	29,519	5,433	34,952	43
550	27,254	5,015	32,269	44
603	25,869	6,328	32,197	45
383	24,080	7,744	31,824	46
174	31,758	NA	31,758	47
695	23,936	5,141	29,077	48
585	24,090	4,143	28,233	49
594	18,563	5,639	24,202	50
649	20,406	3,055	23,461	51
260	16,566	3,426	19,992	52
225	15,477	3,460	18,937	53
123	10,898	3,100	13,998	54
121	13,618	N A	13,618	55

Table 29
Average Class Size in Colleges and Schools of Education
in Senior Land-Grant and State Universities
Academic Year 1978-1979

Institution	Class Size per Undergrad. Sect.	Class Size per Grad. Sect.	Combined Level Class Size	Rank
594	23.86	18.45	20.91	1
340	35.33	13.90	20.89	2
598	22.09	18.56	20.71	3
545	23.89	12.92	20.13	4
225	27.59	15.97	18.90	5
464	22.68	13.36	18.81	6
690	26.84	9.58	18.84	7
585	28.06	7.77	18.22	8
603	28.06	6.69	18.17	9
155	20.08	16.01	17.98	10
695	18.14	16.93	17.23	11
649	22.57	10.53	17.09	12
462	20.13	11.91	16.86	13
242	11.68	17.51	15.77	14
550	14.97	16.57	15.67	15
682	19.56	9.67	15.43	16
492	21.92	9.11	15.13	17
351	18.56	7.26	15.03	18
599	20.76	8.58	14.99	19
433	36.96	11.55	14.94	20
318	18.12	13.20	14.79	21
232	19.26	8.45	14.44	22
226	19.47	9.11	14.43	23
543	25.14	3.35	14.33	24
270	17.22	13.23	14.32	25
488	17.43	6.42	14.18	26
121	24.43	11.43	13.95	27
289	21.28	8.95	13.48	28
528	15.38	11.14	13.17	29
367	17.86	7.05	12.87	30.5
174	17.86	7.05	12.87	30.5
266	17.03	6.58	12.01	32.5
346	17.03	6.58	12.01	32.5
260	24.05	7.77	11.99	34
268	19.21	10.69	11.98	35
624	24.76	3.27	11.78	36
123	13.07	8.85	10.72	37
383	15.15	7.03	10.69	38
352	19.91	9.16	10.34	39
505	12.19	6.11	9.05	40
338	3.74	8.31	6.00	41
384	4.81	5.43	5.19	42
548	3.04	10.61	4.96	43
275	5.36	4.23	4.68	44
611	4.44	4.28	4.38	45
508	4.71	2.43	3.51	46

Table 30
Semester Credit Hours Produced per FTE Instructional Faculty
in Colleges and Schools of Education
in Senior Land-Grant and State Universities
12 Months 1978-1979

Institution	12 Month Instr. FTE	12 Month SCH Produced	SCH per FTE	Rank
543	47.29	78,814	1688	1
624	149.00	106,904	717	2
232	127.00	89,177	702	3
548	76.99	50,639	658	4
496	189.00	116,176	614	5
340	89.08	51,667	580	6.5
649	40.42	23,461	580	6.5
338	89.17	50,436	565	8
598	100.02	55,796	557	9
690	75.19	41,294	549	10
573	110.95	60,711	547	11
505	77.61	41,951	540	12
344	169.77	90,455	532	13
611	89.02	46,203	519	14
275	199.65	102,127	511	15
599	79.82	39,344	493	16
367	77.47	37,201	480	17
266	173.46	83,046	478	18
242	184.72	88,081	476	19
528	158.57	75,555	476	20
682	86.75	38,362	442	21
287	171.14	74,238	433	22
155	189.00	81,141	429	23
510	177.29	75,550	426	24
289	116.67	49,007	420	25
462	134.79	54,715	406	26
227	118.00	46,255	392	27
268	107.52	41,853	389	28
260	52.22	19,992	382	29
383	84.37	31,824	377	30
402	245.00	92,193	376	31
226	156.26	56,112	371	32
225	51.09	18,937	370	33
433	133.10	48,580	365	34
464	283.49	100,081	353	35
508	200.54	69,980	349	36
234	195.56	65,173	333	37
351	151.90	49,377	325	38
545	107.67	34,952	324	39
123	43.74	13,998	320	40
550	70.23	22,709	317	41
695	93.23	29,079	311	42
270	116.72	35,325	302	43
594	84.54	24,262	286	44
174	112.00	31,758	283	45
352	136.90	38,259	279	46
636	137.81	38,321	278	47
318	273.00	74,044	271	48
492	263.19	60,231	228	49

Table 31
Full-time Equivalent Student (FTES)
in Colleges and Schools of Education
Senior Land-Grant and State Universities
12 Months 1978-1979

Institution	Undergraduate Credit Hours	Undergrad. FTES	Graduate 1 Credit Hours	Graduate 1 FTES	Graduate 2 Credit Hours	Graduate 2 FTES	Total FTES	Rank
496	59,451	1,982	45,258	1,886	11,467	637	4,505	1
624	64,816	2,161	37,791	1,575	4,297	239	3,975	2
342	22,714	757	38,776	1,616	24,591	1,366	3,739	3
464	65,475	2,183	28,958	1,207	5,648	314	3,704	4
232	62,833	2,094	21,551	898	4,793	266	3,258	5
155	42,438	1,415	23,070	961	15,633	869	3,245	6
344	75,517	2,517	12,759	532	2,179	121	3,170	7
396	59,273	1,976	19,867	828	3,905	217	3,021	8
528	38,489	1,283	27,321	1,138	9,745	541	2,962	9
510	47,619	1,587	16,516	688	11,415	634	2,909	10
543	63,989	2,133	8,367	349	7,458	414	2,896	11
697	69,162	2,305	8,487	354	2,941	163	2,822	12
508	48,052	1,602	9,926	414	12,002	667	2,683	13
384	38,355	1,279	19,557	815	9,418	525	2,619	14
492	38,107	1,270	832	410	12,292	683	2,363	15
573	39,203	1,307	13,479	562	8,029	446	2,315	16
226	36,875	1,229	9,939	414	9,298	517	2,160	17
598	30,324	1,011	19,385	808	6,087	338	2,157	18
452	34,003	1,133	18,355	765	2,357	131	2,029	19
433	17,350	578	26,804	1,117	4,426	246	1,941	20
340	28,870	962	21,978	916	819	46	1,924	21
548	38,863	1,295	10,614	442	1,162	65	1,802	22
351	39,844	1,328	8,007	334	1,526	85	1,747	23
268	10,305	344	25,546	1,065	6,002	333	1,742	24
352	8,399	280	21,836	910	8,024	446	1,636	25
611	36,613	1,220	8,590	358	1,000	56	1,634	26
270	11,622	387	8,943	373	14,760	820	1,580	27
505	32,032	1,068	6,058	252	3,861	215	1,535	28
599	27,911	930	7,752	323	3,681	205	1,458	29
488	31,292	1,043	5,837	243	1,105	61	1,347	30
682	26,718	891	11,533	481	111	6	1,378	31
367	27,897	930	5,072	211	4,232	235	1,376	32
695	5,209	174	13,131	547	10,739	597	1,318	33
545	23,553	785	9,956	415	1,443	80	1,280	34
383	18,720	624	11,024	459	2,080	116	1,199	35
585	14,979	499	7,653	319	5,601	311	1,129	36
594	12,899	430	11,070	461	233	13	904	37
550	10,112	337	9,612	401	2,585	144	882	38
649	17,140	571	4,206	175	2,115	118	864	39
225	7,779	259	7,389	308	3,769	209	776	40
123	7,552	252	5,184	216	1,262	70	538	41

Table 32
Weighted Semester Credit Hour (WSCH) Production
in Schools and Colleges of Education
Senior Land-Grant and State Universities
12 Months 1978-1979

Institution	Undergraduate WSCH	GR1 WSCH	GR2 WSCH	Total WSCH	Rank
496	61,829	104,093	100,794	266,716	1
155	44,316	53,061	137,414	234,791	2
242	23,622	89,184	85,988	198,794	3
624	67,408	86,919	37,770	192,097	4
528	40,028	62,838	85,658	188,524	5
510	49,523	37,986	100,337	187,846	6
464	68,094	66,603	49,646	184,343	7
508	49,974	22,829	105,497	178,300	8
492	39,631	22,613	108,046	170,290	9
384	39,889	44,981	82,784	167,654	10
270	12,086	20,569	129,740	162,395	11
232	65,345	49,567	42,130	157,042	12
543	66,548	19,244	65,555	151,347	13
458	68,094	30,166	49,645	147,905	14
226	38,349	22,859	81,729	142,937	15
266	61,644	45,696	34,327	141,667	16
598	31,537	44,585	53,504	129,626	17
695	5,417	30,201	93,432	129,050	18
344	78,535	29,345	19,160	127,042	19
268	10,717	58,755	52,757	122,229	20
397	71,928	19,520	25,851	117,299	21
352	8,735	22,709	70,531	101,975	22
573	40,741	31,001	70,575	101,616	23
433	18,044	61,650	38,906	100,736	24
462	35,363	42,216	20,718	98,297	25
346	37,046	42,924	15,012	94,982	26
340	30,024	50,549	7,199	87,772	27
585	15,578	17,601	49,232	82,411	28
599	29,027	17,829	32,356	79,212	29
367	29,012	11,665	37,199	77,876	30
548	40,417	24,412	10,213	75,042	31
505	33,313	6,300	33,938	73,551	32
351	41,436	18,415	13,415	13,413	33
611	38,077	19,857	8,790	66,624	34
690	30,974	24,152	8,882	64,008	35
383	19,467	25,354	18,282	63,103	36
545	24,495	22,898	12,683	60,076	37
225	8,090	16,994	33,129	58,213	38
603	24,622	13,432	17,632	55,686	39
550	10,515	22,107	22,721	55,343	40
682	27,786	26,526	975	55,287	41
649	17,825	9,673	18,590	46,088	42
594	13,414	25,461	2,048	40,923	43
123	7,854	11,923	11,093	30,870	44

Table 33
Weighted Semester Credit Hour (WSCH) Productivity
per Full-Time Equivalent Faculty (FTEF) for Instruction
in Schools and Colleges of Education
12 Months 1978-1979

Institution	Total FTEF for Instruction	WSCH Produced	WSCH per Instr. FTEF	Rank
543	47.29	151,347	3,200	1
496	189.00	266,716	1,411	2
270	116.72	162,395	1,391	3
695	93.23	129,050	1,384	4
598	100.02	129,626	1,296	5
626	149.00	192,097	1,289	6
155	189.00	234,791	1,242	7
232	127.00	157,042	1,236	8
528	158.57	188,524	1,189	9
649	40.42	46,088	1,140	10
225	51.09	58,213	1,139	11
268	107.52	122,229	1,136	12
242	184.72	198,794	1,076	13
510	177.29	187,846	1,059	14
367	77.47	77,876	1,005	15
599	79.82	79,212	992	16
340	89.08	87,772	985	17
548	76.99	75,042	974	18
505	77.61	73,551	947	19
226	151.26	142,937	945	20
573	110.95	101,616	915	21
508	200.54	178,300	889	22
690	75.19	64,008	851	23
266	173.46	141,667	816	24
550	70.23	55,343	788	25
433	133.10	100,736	756	26
611	89.02	66,624	748	27.5
344	169.77	127,042	748	27.5
383	84.37	63,103	747	29
352	136.90	101,975	744	30
462	134.79	98,297	729	31
123	43.74	30,870	706	32
464	283.49	184,343	650	33
492	263.19	170,290	647	34
682	86.75	55,287	637	35
545	107.67	60,076	558	36
594	84.54	40,923	484	37
351	151.90	73,264	482	38
275	199.65	63,292	317	39
338	89.17	26,260	294	40
287	171.14	49,309	288	41
234	195.56	55,918	286	42
402	245.00	62,139	253	43
289	116.67	28,626	245	44
260	52.22	10,804	206	45
636	137.81	20,951	152	46
174	112.00	17,004	151	47

Table 34
Actual Cost per Weighted Semester Credit Hour (WSCH)
in Colleges and Schools of Education
in Senior Land-Grant and State Universities
12 Months 1978-1979

Institution	Cost per Combined WSCH	Cost per Undergrad. WSCH	Cost per Grad. 1 WSCH	Cost per Grad 2 WSCH	Rank
682	$75.29	$78.29	$173.16	$661.80	1
488	74.53	77.52	171.42	655.12	2
123	61.07	63.51	140.46	536.81	3
344	57.26	59.55	131.70	503.32	4
690	53.06	55.18	122.04	466.40	5
352	52.08	54.16	119.78	457.78	6
545	48.17	50.09	110.79	423.41	7
433	48.11	50.04	110.65	422.89	8
383	47.20	49.08	108.56	414.88	9
611	46.45	48.31	106.84	408.30	10
594	43.49	45.23	100.03	382.28	11
548	43.39	45.13	99.78	381.40	12
367	42.79	44.51	98.41	376.12	13
351	38.61	40.16	88.80	339.38	14
462	38.11	39.63	87.65	334.98	15
397	37.33	38.82	85.86	328.13	16
464	37.32	38.81	85.83	328.04	17
266	36.76	38.23	84.54	323.12	18
550	34.66	36.05	79.72	304.66	19
384	33.66	35.00	77.42	295.87	20
649	32.23	33.52	74.13	283.30	21
492	30.23	31.44	69.53	265.72	22
599	29.86	31.05	68.68	262.47	23
232	29.79	30.98	68.52	261.85	24
340	29.12	30.28	66.97	255.96	25
508	28.72	29.86	66.06	252.45	26
268	28.22	29.34	64.90	248.05	27
543	26.51	27.57	60.97	233.02	28
226	26.50	27.56	60.95	232.93	29
242	26.27	27.32	60.42	230.91	30
496	25.66	26.68	59.01	225.55	31
505	25.16	26.16	57.86	221.15	32
624	24.77	25.76	56.97	217.72	33
573	24.69	25.67	56.79	217.03	34
225	24.14	25.10	55.52	212.19	35
510	23.41	24.35	53.84	205.77	36
155	23.26	24.19	53.50	204.46	37
598	22.33	23.22	51.36	196.28	38
528	20.42	21.34	46.97	179.49	39
585	19.70	20.49	45.31	173.16	40
270	17.86	18.57	41.07	156.99	41
695	17.02	17.70	39.15	149.61	42

Table 35
Cost per Full-Time Equivalent Student (FTES)
in Colleges and Schools of Education
in Senior Land-Grant and State Universities

1978-1979

Institution	Cost per Undergrad. WSCH	Cost per Undergrad. FTES	Cost per G1 WSCH	Cost per G1 FTES	Cost per G2 WSCH	Cost per G2 FTES	Rank
682	$78.29	$2,349	$173.16	$4,156	$661.80	$11,912	1
488	77.52	2,326	171.42	4,114	655.12	11,792	2
123	63.51	1,905	140.46	3,371	536.81	9,663	3
344	59.55	1,787	131.70	3,161	503.32	9,060	4
690	55.18	1,655	122.04	2,929	466.40	8,395	5
352	54.46	1,625	119.78	2,875	457.78	8,240	6
545	50.09	1,503	110.79	2,659	423.41	7,621	7
433	50.04	1,501	110.65	2,656	422.89	7,612	8
383	49.08	1,472	108.56	2,605	414.88	7,468	9
611	48.31	1,449	106.84	2,564	408.30	7,349	10
594	45.23	1,357	100.03	2,401	382.28	6,881	11
548	45.13	1,354	99.78	2,395	381.40	6,865	12
367	44.51	1,335	98.41	2,362	376.12	6,770	13
351	40.16	1,205	88.80	2,131	339.38	6,109	14
462	39.63	1,189	87.65	2,104	334.98	6,030	15
397	38.82	1,165	85.86	2,061	328.13	5,906	16
464	38.81	1,164	85.83	2,060	328.04	5,905	17
266	38.23	1,146	84.54	2,029	323.12	5,816	18
550	36.05	1,082	79.72	1,913	304.66	5,484	19
384	35.00	1,050	77.42	1,858	295.87	5,326	20
649	33.52	1,006	74.13	1,779	283.30	5,099	21
492	31.44	943	69.53	1,669	265.72	4,783	22
599	31.05	932	68.68	1,648	262.47	4,724	23
232	30.98	929	68.52	1,644	261.85	4,713	24
340	30.28	908	66.97	1,607	255.96	4,607	25
508	29.86	896	66.06	1,585	252.45	4,544	26
268	29.34	880	64.90	1,558	248.05	4,465	27
543	27.57	827	60.97	1,463	233.02	4,194	28
226	27.56	827	60.95	1,463	232.93	4,193	29
242	27.32	820	60.42	1,450	230.91	4,156	30
496	26.68	800	59.01	1,416	225.55	4,060	31
505	26.16	785	57.86	1,389	221.15	3,981	32
624	25.76	773	56.97	1,367	217.72	3,919	33
573	25.67	770	56.79	1,367	217.03	3,907	34
225	25.10	753	55.52	1,332	212.19	3,819	35
510	24.35	731	53.84	1,292	205.77	3,704	36
155	24.19	726	53.50	1,284	204.46	3,680	37
598	23.22	697	51.36	1,233	196.28	3,533	38
528	21.34	640	46.97	1,127	179.49	3,231	39
585	20.49	615	45.31	1,087	173.16	3,117	40
270	18.57	557	41.07	986	156.99	2,826	41
695	17.70	531	39.15	940	141.61	2,693	42

Table 36
Number of Degrees Conferred in
Colleges and Schools of Education in
Senior Land-Grant and State Universities
12 Months 1978-1979

Institution	Bachelor's	Master's	Ed.S.	Doctorates	Total	Rank
496	528	910	45	125	1,608	1
346	801	722	31	43	1,597	2
266	793	638	33	113	1,577	3
624	870	531	5	71	1,477	4
464	484	830	63	65	1,442	5
242	194	985	161	62	1,402	6
275	655	511	103	101	1,370	7
384	449	558	76	218	1,301	8
227	553	627	69	39	1,288	9
433	346	733	110	77	1,189	10
340	566	566	1	54	1,187	11
344	779	372	8	14	1,173	12
270	305	773	15	63	1,156	13
402	594	363	23	112	1,092	14
352	726	269		81	1,076	15
155	556	356	10	113	1,035	16
510	497	436		65	998	17
287	495	314	34	149	992	18
528	364	533		81	978	19
397	712	230	1	16	959	20
573	520	260	55	97	932	21
226	406	410	23	75	914	22
232	392	501		19	912	23
351	692	186	1	14	893	24
234	616	218	11	41	886	25
508	539	184		131	854	26
492	413	350	2	82	849	27
383	491	303	13	14	821	28
598	466	248	9	74	797	29
289	362	241	72	82	757	30
365	61	490		164	715	31
268	137	468	15	75	695	32
338	422	244		19	685	33
545	334	274	42	26	676	34
543	432	130		75	637	35
462	353	241		4	598	36
367	322	241	3	28	594	37
505	400	113		16	529	38
260	283	164	12	31	490	39
682	291	193		4	488	40.5
636	160	255	36	37	488	40.5
174	252	139		93	484	42
585	230	181		37	448	43
690	288	130	4	18	440	44
488	295	102		28	425	45
594	182	239		2	423	46
550	97	266	28	25	416	47
611	205	184		19	408	48
599	256	100	1	41	398	49
172		267	15	113	395	50
548	190	180	9	5	384	51
121	190	131	26	9	356	52
123	203	145		2	350	53
603	233	48	9	14	304	54
225	111	149	4	29	293	55
695	111	132	3	30	276	56
663	188	61		5	254	57
649	161	64		24	249	58

Table 37
Mix of Academic Production
in Schools and Colleges of Education
in Senior Land-Grant and State Universities
12 Months 1978-1979

Inst.	Unweighted Credit Hours			Weighted Credit Hours			Unwgt. Mix	Weighted Mix
	UG	G1	G2	UG	G1	G2	%Ug/G1/G2	%UG/G1/G2
121	11,047	1,220	1,341	11,489	2,829	11,787	81/9/10	44/11/45
123	7,552	5,184	1,262	7,854	11,923	11,093	54/37/9	25/39/36
155	42,456	23,070	15,633	44,316	53,061	137,414	52/29/19	19/23/58
225	7,779	7,389	3,769	8,090	16,994	33,129	41/39/20	14/29/57
226	36,875	9,939	9,298	38,349	22,859	81,729	66/18/16	27/16/57
232	62,833	21,551	4,793	65,345	49,567	42,130	71/24/5	42/31/27
242	22,714	38,776	26,591	23,622	89,184	216,155	26/44/30	7/27/66
266	59,273	19,867	3,905	61,644	45,696	34,327	71/24/5	44/32/24
268	10,305	25,546	6,002	10,717	58,755	52,757	25/61/14	9/48/43
270	11,622	8,943	14,760	12,086	20,569	129,740	33/25/42	7/13/80
340	28,870	21,978	819	30,024	50,549	7,199	56/42/2	34/58/8
344	75,517	12,759	2,179	78,537	29,345	19,160	83/14/3	62/23/15
346	35,622	18,663	1,690	37,046	42,924	15,012	54/33/3	39/45/16
351	39,844	8,007	1,526	41,436	18,415	13,413	81/16/3	57/25/18
352	8,399	21,836	8,024	8,735	22,709	70,531	22/57/21	9/22/69
367	27,897	5,072	4,232	29,012	11,665	37,199	75/14/11	37/15/48
383	18,720	11,024	2,080	19,467	25,354	18,282	59/34/7	31/40/29
384	38,355	19,557	9,418	39,889	44,981	82,784	57/29/14	24/27/49
397	69,162	8,487	2,941	71,928	19,520	25,851	86/10/4	61/17/22
433	17,350	26,804	4,426	18,044	61,649	38,905	36/55/9	15/52/33
462	34,003	18,355	2,357	35,363	42,216	20,718	62/34/4	36/43/21
464	65,475	28,958	5,648	68,094	66,603	49,646	65/29/6	37/36/27
488	31,292	5,837	1,105	32,543	13,426	9,720	82/15/3	59/24/17
492	38,107	9,832	12,292	39,631	22,613	108,046	63/16/21	23/13/64
496	59,451	45,258	11,467	61,829	104,093	100,794	51/39/10	23/39/38
505	32,032	6,058	3,861	33,313	6,300	39,938	77/14/9	45/9/46
508	48,052	9,926	12,002	49,974	22,829	105,497	69/14/7	28/13/59
510	47,619	16,516	11,415	49,523	37,986	100,337	63/22/15	26/20/54
528	38,489	27,321	9,745	40,028	62,838	85,658	51/36/13	21/33/46
543	63,989	8,367	7,458	66,548	19,244	65,555	80/11/9	44/13/43
545	23,553	9,956	1,443	24,495	22,898	12,683	67/29/4	41/38/21
548	38,863	10,614	1,162	40,417	24,412	10,213	77/21/2	54/32/14
560	10,112	9,612	2,585	10,515	22,107	22,721	45/43/12	19/40/41
573	39,203	13,479	8,029	40,771	31,002	70,575	65/22/13	29/22/49
585	14,979	7,653	5,601	15,578	17,601	49,232	53/27/20	19/21/60
594	12,899	11,070	233	13,414	25,461	2,048	53/46/1	33/62/5
598	30,324	19,385	6,087	31,357	44,585	53,504	54/34/11	24/35/41
599	27,911	7,752	3,681	29,027	18,829	32,356	71/20/9	36/23/41
603	23,675	5,840	2,006	24,622	13,432	17,632	75/19/6	44/24/32
611	36,613	8,590	1,000	38,077	19,757	8,790	79/19/2	57/30/13
624	64,816	37,258	4,297	67,408	86,919	37,770	61/35/4	35/45/20
649	17,140	4,206	2,115	17,825	9,673	18,590	73/18/9	39/21/40
682	26,718	11,533	111	27,786	26,526	975	70/30/0	51/48/2
695	5,209	13,131	10,739	5,417	30,201	93,432	18/45/37	4/24/72

Tab e 38
Analysis of Program Complexity
in Schools and Colleges of Education
in State and Land-Grant Universities
1978-1979

Institution	Total Unweighted Credit Hours	Total Weighted Credit Hours	Complexity Index
121	13,618	26,105	1.92
123	13,998	30,870	2.21
155	81,141	234,791	2.89
225	18,937	58,213	3.07
226	56,112	142,937	2.55
232	89,117	157,042	1.76
242	88,081	328,961	3.73
266	83,045	141,667	1.71
268	41,853	122,229	2.92
270	35,325	162,395	4.60
340	51,667	87,772	1.70
344	90,455	127,042	1.40
346	55,975	94,982	1.70
351	49,377	73,264	1.48
352	38,259	101,975	2.67
367	37,201	77,876	2.09
383	31,824	63,103	1.98
384	67,330	167,654	2.49
397	80,590	117,299	1.46
433	48,580	118,598	2.44
462	54,715	98,297	1.80
464	100,081	184,343	1.84
488	38,234	55,689	1.46
492	60,231	170,290	2.83
496	116,176	266,716	2.30
505	41,951	73,551	1.75
508	69,980	178,300	2.55
510	75,550	187,846	2.49
528	75,555	188,524	2.50
543	79,814	151,347	1.90
545	34,952	60,076	1.72
548	50,639	75,042	1.48
550	22,309	55,343	2.48
573	60,711	142,348	2.34
585	28,233	82,411	2.92
594	24,202	40,923	1.69
598	55,796	129,446	2.32
599	39,344	79,212	2.01
603	31,521	55,686	1.77
611	46,203	66,624	1.44
624	106,371	192,097	1.81
649	23,461	46,088	1.96
682	38,362	55,013	1.43
695	29,079	129,050	4.44

APPPENDIX A

Participating Universities, 1978-1979 Study

University	Data Supplied by:	Dean:
University of Akron	Walter Yoder	H. Kenneth Barker
University of Alabama	Bruce Peseau	Paul Orr
Arizona State University	Robert Stout	Robert Stout
Auburn University	J. Boyd Scebra	Jack Blackburn
Ball State University	T.L. Drake	T.L. Drake
Bowling Green State University	David Elsass	David Elsass
Colorado State University	William Johnson	William Johnson
University of Delaware	Eleanor Rhoads	Frank Murray
University of Florida	Emmett Williams	David Smith
Florida State University	Billy Guice	Jack Gant
University of Georgia	Jack Harrington	Joe Williams
Georgia State University	Sherman Day	Sherman Day
University of Hawaii	Andrew In	Andrew In
Northern Illinois University	Nadine Zimmerman	James Heald
	Louise Dieterle	
Southern Illinois University	Elmer Clark	Elmer Clark
Indiana University	Geraldine Wood	Larry Brown
Indiana State University	John Hill	Richard Willey
Iowa State University	Larry Ebbers	Virgil Lagomarcino
University of Kansas	Dale Scannell	Dale Scannell
University of Kentucky	Barbara Ayres	George Denenark
	Elizabeth Nelli	
Louisiana State University	Le Ora M. Lipe	Peter Soderberg
Northeast Louisiana University	Jim Sullivan	Bernard Shadoin
University of Maine	Stella Clement	Robert Cobb
University of Maryland	C. Raymond Anderson	Dean Corrigan
University of Massachusetts	Annette Lieberman	Mario Fantini
Memphis State University	Robert Saunders	Robert Saunders
Miami University of Ohio	David Killian	Marvin Lawrence
Michigan State University	Lee Dean	Judith Lanier
University of Minnesota	T.E. Kellogg	William Gardner
	Darrell Lewis	
Mississippi State University	Jean Oerter	Arnold Moore
	Richard Vasek	
University of Missouri/Columbia	Bob Woods	Bob Woods
University of Missouri/Kansas City	Eugene Eubanks	Eugene Eubanks
Univeristy of Missouri/St. Louis	JoAnne Page	William Franzen
Montana State University	Homer Rose	John Kobel
New Mexico State University	Donald Ferguson	Jack Saunders
University of North Carolina/Chapel Hill	Mary Gore	William Self
University of North Carolina/Greensboro	Margaret Hites	David Reilly
Ohio University	Robert Boyd	Allen Myers
Ohio State University	Donald Anderson	Robert Burnham
University of Oklahoma	Richard Wisniewski	Richard Wisniewski
Oklahoma State University	Rolland Bowers	Donald Robinson
Pennsylvania State University	Harold Mitzel	Henry Hermanowicz
Rutgers University	Don Oppenheim	Irene Athey
University of South Carolina	John Mulhern	John Mulhern
Temple University	Robert Englert	Jay Scribner
University of Tennessee	Michael Gower	William Coffield
University of Texas/Austin	James Yates	Lorrin Kennamer
Texas A & M University	Bryan Cole	Dean Corrigan
East Texas State University	James Williamson	James Williamson
North Texas State University	John Curry	James Muro
Texas Tech University	B.E. Askins	Robert Anderson
University of Utah	Robert Erdman	Robert Erdman
Utah State University	Izar Martinez	Oral Ballam
University of Virginia	Jay Chronister	Richard Brandt
University of Washington	W.W. Dodson	James Doi
	Patsy Gardner	
Washington State University	Dale Anderson	George Brain
Wayne State University	Joseph Sales	Edward Simpkins
West Virginia University	John Carline	William Monahan
	Ernest Goeres	
University of Wisconsin Milwaukee	Martha Bagley	Michael Stolee

APPENDIX B

ACADEMIC AND FINANCIAL STUDY
ASSOCIATION OF COLLEGES AND SCHOOLS OF EDUCATION
IN STATE UNIVERSITIES AND LAND GRANT COLLEGES
1978-1979

Instructions for Completion of the Instrument

I. APPROVED DEGREE AND CERTIFICATION PROGRAMS
A. Self-explanatory

II. FACULTY IN YOUR COLLEGE/SCHOOL OF EDUCATION
A. The first two sets of data--Faculty by Rank and Faculty by Degree--are headcount numbers, not FTE assignments.
B. The section, 'Most Common Faculty Load' will probably be difficult to express very precisely, since we all have much variation from one faculty member to another. However, please give the best approximation in your judgment, in terms of effort or assignment.

III. BUDGETS IN YOUR COLLEGE/SCHOOL OF EDUCATION, 1978-1979
A. The financial data matrix has two major sets: the upper set is for funds from your university sources only, and the lower set for funds from external (contract and grant) sources only. Each of these sets is subdivided into funds for the academic year 78-79, summer session 79, and the 12-month period of 1978-79.
1. If some of these funds are allocated for the fiscal year and not broken down by academic year or summer session, include those only in the right column.
2. The right column (Total 12 months 78-79) should be the sum of academic year, summer session, and 12 month funding allocations.
3. Separate lines are included for funds for faculty instruction, research, service, and college or department administration.
4. Include the amounts for Personnel Fringe Benefits in this report only if those are included in your budgets; if paid by the central administration from their budget, do not include here.
5. Operating Expenses includes items such as telephone, copying, paper and office supplies, postage, faculty travel, etc.
6. Capital Outlay includes only funds for non-expendable equipment.
7. If your budget includes funds for student scholarships, tuition grants for critic teachers, or similar items, include that under Operating Expenses, and note any such special items at the bottom of the page.

IV. CREDIT HOUR PRODUCTION FOR 1978-79 ACADEMIC YEAR AND 1979 SUMMER TERM
This section should be self-explanatory.

NOTE: If you have questions about completing the instrument, please refer to the attached copy, completed with our University of Alabama, College of Education data. Or, call me (Bruce Peseau) at (205) 348-6050.

ACADEMIC AND FINANCIAL STUDY
ASCESULGC COLLEGES AND SCHOOLS OF EDUCATION
1978-1979

I. APPROVED DEGREE AND CERTIFICATION PROGRAMS

Please attach a listing of accredited undergraduate and graduate degree and certification programs in your education division. The degree programs might be taken from an updated NCATE list, the certification program might be from a list of those approved by your State Department of Education. Degrees should be designated by bachelor's, master's, specialist, and doctoral levels. Certification should be designated as undergraduate, fifth year, and sixth year.

Is your college/school of education accredited by:

A regional association?_____

NCATE?_____

State Department of Education?_____

Other (program specific)?_____

II. FACULTY IN YOUR COLLEGE/SCHOOL OF EDUCATION (from all budget sources)

Number of Faculty by Rank		Number of Faculty by Highest Degree	
Professors	_____	Ed.D.	_____
Assoc. Prof.	_____	Ph.D.	_____
Asst. Prof.	_____	Ed.S.	_____
Instructors	_____	Master's	_____
		Other	_____

Most Common Faculty Load (Express as percent of effort to total 100%)

	Teaching	Research	Services
Undergraduate Level	_____	_____	_____
Graduate Level	_____	_____	_____

What method do you use to calculate the direction of dissertation committees as percent of faculty load? Please explain _____

_____

_____

Average Faculty Salaries in Your College/School of Education:

	1978-79 Academic Year	1979 Summer Term
Professors	$	$
Associate Professors	$	$
Assistant Professors	$	$
Instructors	$	$

Is the summer term salary of faculty based on a percentage of academic year salary?_____What percent?_____Is there a dollar limit per faculty member?_____If so, how much per session or per course?_____

How many weeks is your summer term?_____How many sessions per semester term?_____Do you have a policy which limits how many quarter or semester hours a faculty member may teach during the summer term?_____If so, describe._____

III. BUDGETS IN YOUR COLLEGE/SCHOOL OF EDUCATION, 1978-1979

Does your budget from university funds include shared overhead monies generated by your contracts and grants back to your college/school?_____

What percent of the contract and grant overhead money is returned to your college/school?_____.

What is your current resident student tuition rate for a full load of studies per semester/quarter?_____. for the entire summer?_____

Does tuition differ for undergraduate/graduate levels (if so, how)?_____

III. Budgets and Personnel in Your College/School of Education for 1978-1979

UNIVERSITY RESOURCES	ACADEMIC YEAR 78-79 FUNDS	ACADEMIC YEAR 78-79 FTE	SUMMER SESSIONS 79 FUNDS	SUMMER SESSIONS 79 FTE	TOTAL 12 MONTHS 1978-79 FUNDS	TOTAL 12 MONTHS 1978-79 FTE
Total Amounts	$		$		$	
Faculty Instructional Salaries	$		$		$	
Faculty Research Salaries	$		$		$	
Faculty Service Salaries	$		$		$	
College & Dept. Administration	$		$		$	
Support Personnel (secty's,etc.)	$		$		$	
Graduate Assistants	$		$		$	
Personnel Fringe Benefits	$	XXXXXX	$	XXXXXX	$	XXXXXXX
Operating Expenses	$	XXXXXX	$	XXXXXX	$	XXXXXXX
Capital Outlay (Non-Expendables)	$	XXXXXX	$	XXXXXX	$	XXXXXXX
TEMPORARY (EXTERNAL) RESOURCES						
Total Amounts	$		$		$	
Faculty Instructional Salaries	$		$		$	
Faculty Research Salaries	$		$		$	
Faculty Service Salaries	$		$		$	
College & Dept. Administration	$		$		$	
Support Personnel (secty's, etc.)	$		$		$	
Graduate Assistants	$		$		$	
Personnel Fringe Benefits	$	XXXXXXXX	$	XXXXXXX	$	XXXXXXXX
Operating Expenses	$	XXXXXXXX	$	XXXXXXX	$	XXXXXXXX
Capital Outlay	$	XXXXXXXX	$	XXXXXXX	$	XXXXXXXX
TOTAL RESOURCES	$		$		$	

IV. CREDIT HOUR PRODUCTION FOR 1978-1979 ACADEMIC YEAR AND 1979 SUMMER TERM

SECTIONS & CREDIT HOURS	1978-79 ACADEMIC YEAR	1979 SUMMER SESSION	TOTAL 12 MONTHS 1978-79
Undergraduate Course Sections			
Undergraduate Class Enrollments			
Undergraduate Credit Hours			
Graduate 1* Course Sections			
Graduate 1 Class Enrollments			
Graduate 1 Credit Hours			
Graduate 2** Course Sections			
Graduate 2 Class Enrollments			
Graduate 2 Credit Hours			

Note: Please report only on-campus data, unless funds and personnel for off-campus courses were included in Section III.

* Graduate 1: Courses or classes designated primarily as Master's level.
** Graduate 2: Courses or classes designated primarily as post-Master's level.

Indicate whether semester_____ _____or quarter __ _____calendar used.

V. DEGREES AWARDED, 1978-1979.

Please enter the number of Education degrees awarded from all graduation exercises in the 1978-79 academic year and 1979 summer session.

	ACADEMIC YEAR	SUMMER SESSION	TOTAL
Bachelor's			
Master's			
Ed. Specialist's			
Doctorate's			

Person completing this instrument: _____

Your telephone number: _____

APPENDIX C

FUNDING FORMULA WEIGHTING FACTORS*			
ACADEMIC SUBDIVISIONS	COMPLEXITY INDICES		
	UNDERGRADUATE	GRADUATE 1	GRADUATE 2
1. Business	1.12	3.27	13.45
2. General	1.00	2.73	10.33
3. Education	1.04	2.30	8.79
4. Nursing, Health	2.74	4.94	17.60
5. Engineering	2.07	5.46	17.60
6. Fine Arts	2.09	4.95	17.71
7. Home Economics	1.39	3.34	9.31
8. Science	1.29	5.36	17.60
9. Military Science	0.12	--	--
10. Law	--	1.75	--
11. Architecture	1.67	4.79	16.52
12. Agriculture	1.51	4.57	16.52
13. Veterinary Medicine	--	5.77	20.53
14. Pharmacy	2.07	5.06	14.09
15. Interdisciplinary	1.26	3.23	10.33

*Weighting factors as used in the Texas and Alabama Formulas.